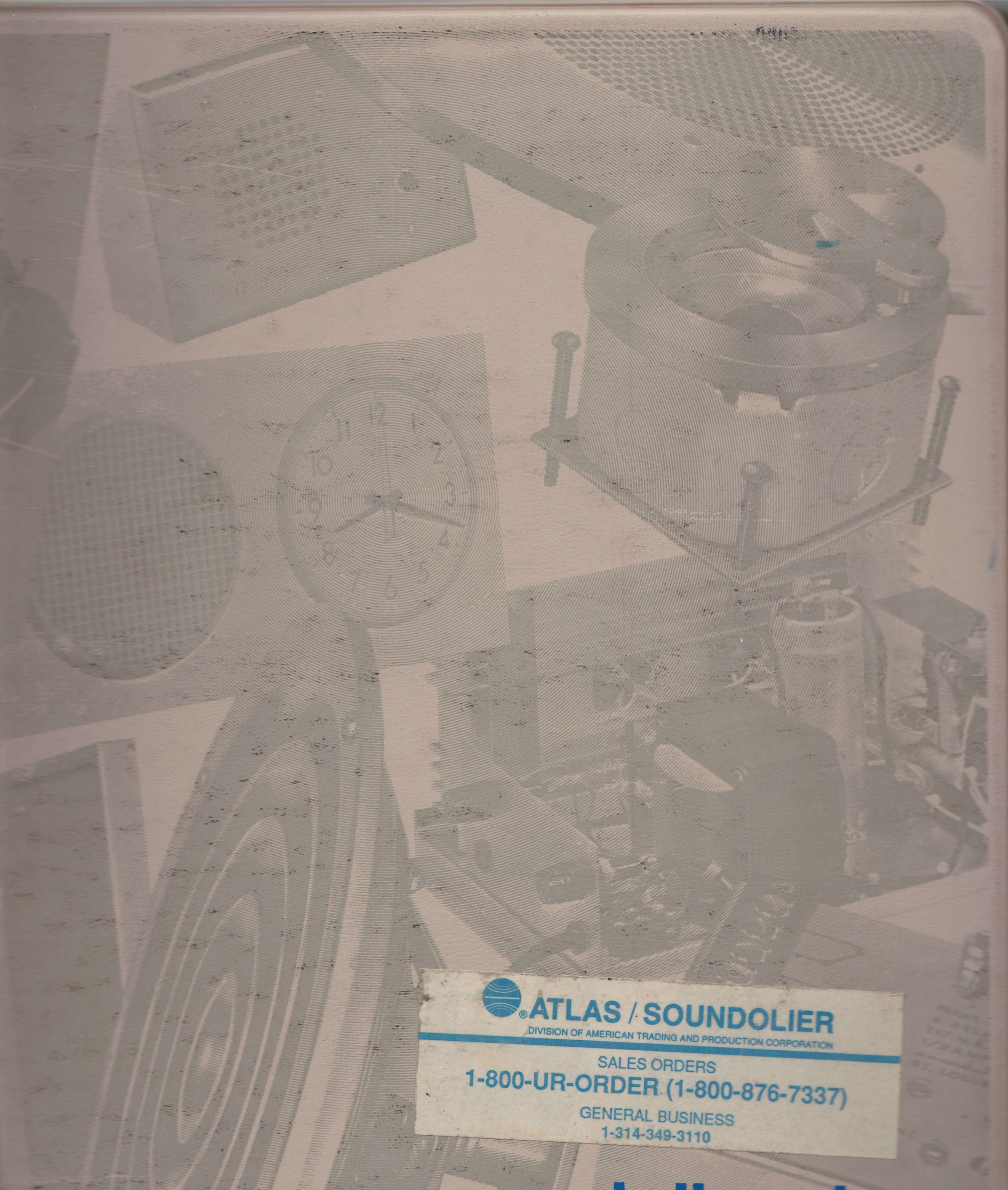


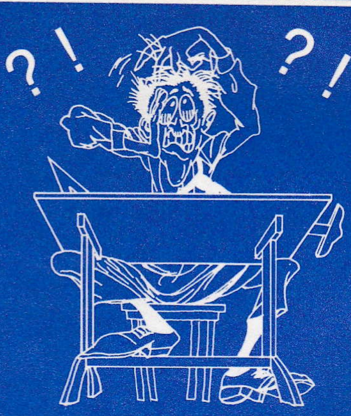
ATLAS / SOUNDOLIER
DIVISION OF AMERICAN TRADING AND PRODUCTION CORPORATION

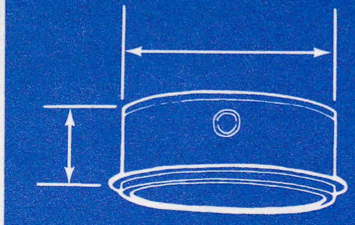
SALES ORDERS
1-800-UR-ORDER (1-800-876-7337)
GENERAL BUSINESS
1-314-349-3110

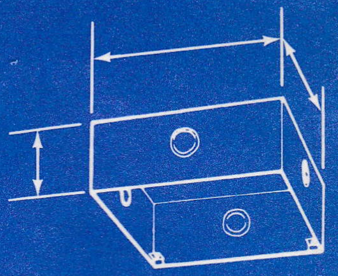
soundolier, inc.

MANUFACTURERS OF COMMERCIAL SOUND ACCESSORIES
9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC314-962-9870

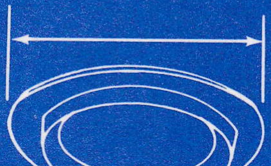
CSI DIVISION [illegible]

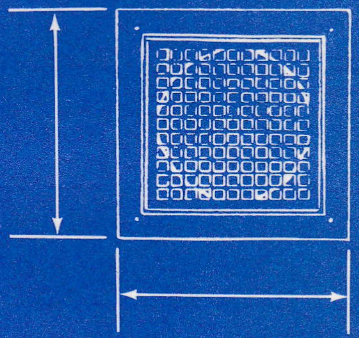






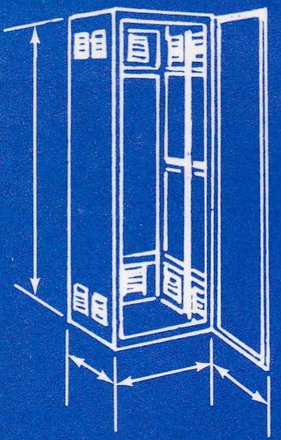
SPECIALS!

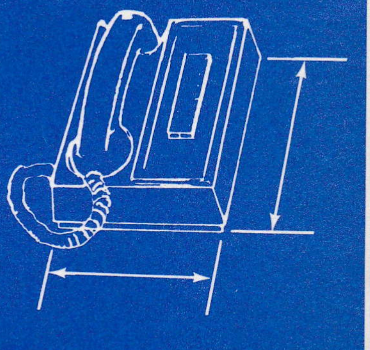




You are bidding on a contract to do the sound system in a bank. Everything on the spec is straightforward except for those 20 baffles in the lobby which must match some bronze architectural panels. Or perhaps you are working on a rehab on an existing sound system in which some strange sized baffles were used and you are wondering what kind of baffle you can use to cover those strange sized holes in the ceiling. Then you find out that the equipment cabinet must be situated under a counter which will not admit any standard height cabinet.

SOUND FAMILIAR?

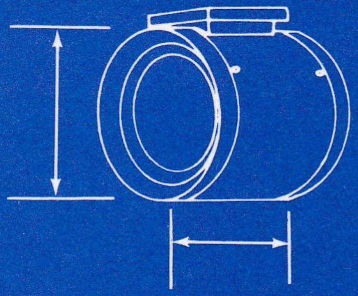


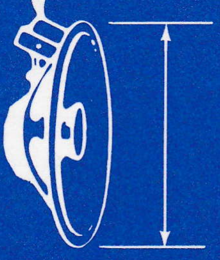


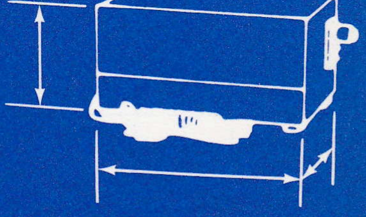
Whenever you run into that job requiring a product that has to be individually designed and fabricated, let us know! Soundolier can modify just about every product it manufactures. If you do not see anything in the catalog, send us a print of what you need (the back of an old envelope will do or you can use the back of this sheet) and we will make it to your customized specifications.

We can make special control panels, bedside stations, gold plated baffles (yes, real gold, but they are expensive!), annunciator panels, proprietary speakers, weatherproof, flame retardant, special UL listed speakers, special line transformers, special equipment cabinets, special telephone stations, special intercom stations, etc.

When it comes to your "special" needs, Soundolier can provide you with the expertise and know-how to satisfy your requirements.







CALL US COLLECT! 314-962-9870

Ask for Special Products Engineering

soundolier, inc.

9380 WATSON INDUSTRIAL PARK / ST. LOUIS MO. 63126 / 314-962-9870

Model Number
SPECIAL PRODUCT

ATLAS / SOUNDOLIER
DIVISION OF AMERICAN TRADING AND PRODUCTION CORPORATION

NEW PRODUCTS GIVE YOU "A WINNING HAND" FOR INCREASING PROFITS

"Your Winning Hand" was our theme at the recent NSCA show in Las Vegas and that's just what you get from Atlas/Soundolier. *A Winning Hand* of new products that give you a competitive edge for expanding sales and increasing profits in the growing security and communications market. *A Winning Hand* that includes the following...

Professional Two-Way Ceiling Loudspeaker System. EQ410 Series is a 25 watt recessed ceiling system delivering excellent frequency response (70 Hz-18 kHz) and 130° sound dispersion for foreground music, sound reinforcement and high quality communications. Cost efficient component system is ideal for new, upgrade and retrofit installations where high fidelity sound reproduction and architectural integrity are important.

Professional Two-Way Bookshelf Loudspeaker Systems. SEQ Series are high quality 25, 50 and 65 watt surface loudspeaker systems for reproducing music with extended frequency response in applications ranging from retail stereo to high performance distributed installations. Computer designed components are housed within a ported enclosure with scratch resistant veneer, black grille cloth and transformer mounting pocket.

Weatherproof Two-Way Mini Loudspeaker Systems. W Series are 15, 30 and 50 watt mini loudspeaker systems which combine exceptional performance with indoor/outdoor application flexibility. Compact systems include transformer / 8 ohm selector switch and removable U-shaped mounting bracket for versatile application in boutiques, department store shops, outdoor cafes, patios, perimeter areas and year-round mobile use.

Decorator Loudspeaker Systems. DC Series are "track light" style 4" and 8" systems which provide an attractively unobtrusive method of achieving high quality sound reproduction in indoor and outdoor semi-protected environments. Eight-ohm and transformer equipped models include U-shaped mounting bracket.

Modular Paging Communications Center. Cost efficient system is an attractively styled passive input/output switching accessory for zone paging, sound and communications applications. Modular construction with choice of wiring configurations allows custom flexibility using standard components.

Door Monitor Systems. Easy to install systems provide immediate audible/visual acknowledgement of unathorized exit/entry through protected openings. Modular, expandable components include choice of desk-top, wall and rack mount master station housings with add-on modules, five remote task-oriented stations and magnetic door/window switch.

Enclosures for Extended Loudspeaker Performance. Extra depth enclosures with acoustic fiberglass economically enhance audio quality of music and voice by allowing 8" diameter loudspeakers to operate at optimum acoustic loading levels. Selection includes square, round, recessed and surface mounting models.

Versatile Tile Bridge. Revised Model 81-8 features a multi-position hole pattern to accommodate an extensive variety of round and square grilles including torsion spring and screw mount models.

Top Mounting Cabinet Fans. EFT Series are high capacity heat dissipation units delivering 550 CFM at 49 dB. Space efficient assemblies top mount in 19" wide 25-1/2" or 30" deep cabinets.

Slimline Outlet Strips. RAC Series are compact 5 and 9 outlet strip assemblies providing electrical access to cabinets without interfering with equipment mounting requirements.

Combine these new systems and accessories with our already extensive product selection and Atlas/Soundolier's acclaimed "Quick Shipper" program, and you have *A Winning Hand* for satisfying customer's needs and increasing your profits. Review the attached specification and pricing information and order today. **Call: 1-800-876-7337 or Fax: 1-314-349-1251.**

Bud

Bud L. Waters
National Sales Manager

F.Y.I. OSHA REQUIREMENTS FOR ELECTRONIC/ ELECTRICAL SYSTEMS

In the construction industry today, more than ever, all installations of commercial, industrial, and institutional electrical systems are required by the Occupational Safety and Health Administration (OSHA) to meet the National Electrical Code rules and all prevailing regulations.

The national Electrical Code's standards are Occupational Safety and Health Administration standards to the extent that they safeguard any person who is an employee or employer against hazards arising from the use of electricity for light, heat, power, radio signaling and for other purposes.

Some provisions of the National Electric Code require installations or equipment to be approved. "Approved" is defined to mean "acceptable to the enforcer of this code - the Assistant Secretary of Labor for Occupational Safety and Health. An installation or equipment is acceptable to the Secretary of Labor if it is accepted, or certified, or listed, or labeled or otherwise determined to be safe by a Nationally recognized testing lab but not limited to Underwriters Laboratories, Inc." As a result, "listed," "labeled," "accepted," and/or "certified" equipment must be used whenever available according to OSHA regulations.

These provisions may or may not be enforced in your particular area. However, please be aware that these regulations do exist. For sound installations requiring a UL listing, Soundolier offers an 8"(203mm) and 4"(102mm) cone type speaker package series for background music and emergency alarm systems. Soundolier is the first manufacturer to introduce a line of Underwriters Laboratories listed speakers mounted on UL listed baffles and used in conjunction with UL listed enclosures. Featured is a choice of two 8"(203mm) speakers with 10 ounce ceramic magnet and a molded cone and whizzer with fire retardant impregnation. The UH series speaker includes a line supervision capacitor in series with a transformer primary. A 70.7 or 25 volt line transformer is used. The UK series speaker utilizes two voice coils with two 70.7 or 25 volt line transformers.

Soundolier's UA, L30, L31 and L32 series UL listed 4"(102mm) emergency alarm speaker packages for Life Safety and fire alarm systems utilize a 4"(102mm) speaker with a 5 ounce ceramic magnet with fire retardant and moisture proof cone, a line transformer with either a ½ and 1 watt tap or 2 and 4 watt taps, and a line supervision capacitor (10 mfd at 50v-25 volt model only or 4 mfd at 150v-70.7 volt model only). A series of 4"(102mm) baffles and enclosures are available with the UA series. A rugged injection molded housing with steel screen to prevent speaker cone damage serves as the housing for the L30, L31 and L32 series.

For more complete information on Soundolier's 8"(203mm) and 4"(102mm) UL listed speaker systems, request the following from our Advertising Department:

SL1181 - New 8"(203mm) speaker system

SL1170 - Soundolier Emergency Alarm System

SL1215 - New 4"(102mm) speaker system

Whatever the job requirement may be, Soundolier has the answer for you!

SL1241
Printed in U.S.A.

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870
TWX 910-761-1650

PRODUCTS OF EXCELLENCE

SALES BULLETIN

DATE: March 14th, 1979 NUMBER: 3379

SUBJECT: A GOOD BUY IN ANALYZERS!

Gentlemen:

During the past two years at EPRAD we've learned much on the subject of sound analyzers....their design, their quality and their operation. Much of our knowledge comes from the "school of hard knocks". We have worked with many different types of analyzers, including Whites, Shures, B&K's, Hewlett-Packards and Ivie's...... both in the design stages of our StarScope equipment and in the field making installations. Recently, we purchased a Rockland analyzer ($12,000) for our own in house design work.....and its a beauty.

BUT....one of the finest and most dependable manufacturers of sound analyzers is the Sanwa Electric Instrument Company in Tokyo. We have bought several different models from Sanwa for our own use at our factory as well as in the field. Considering the cost, these are remarkable units....relatively trouble free and rugged.

We have now concluded an arrangement with Sanwa to distribute their analyzers exclusively in the United States. The attached brochure will provide you with essential data. We especially recommend model FR-300SS for field work. Clarence Simonds, our Chief Engineer, swears by this particular Sanwa instrument....not at it.

Who needs a dependable, rugged analyzer which can be purchased at a remarkably low price? Certainly reliable theatre equipment dealers do if they are to benefit financially from the "New Sound" revolution. Theatre exhibitors with more than one stereo-optical installation should also give prime consideration to obtaining their own, in-house analyzer for emergency use when you, their dealer, are involved with an installation (or an emergency call) many miles distant.

Please read thebrochure and ask us any questions you wish. We want to serve you and our industry.

John J. Burlinson, Jr.

123 W. Woodruff / P.O. Box 4712 • Phone (419) 243-8106
Toledo, Ohio 43620 • Cable Address: EPRAD

EPRAD®
INCORPORATED
ELECTRONIC PRODUCTS RESEARCH & DEVELOPMENT

soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

DISTRIBUTOR NET

PRICE LIST

January, 1980

CTS series
COMMON TALK / SELECTIVE RING INTERCOMS and ACCESSORIES

Freight Policy C. F.O.B. St. Louis, Mo. Prices shown are distributor net. No further discounts apply.

INTERCOMS

Model No.	List	Dealer Net	DISTRIBUTOR NET 1-11	DISTRIBUTOR NET 12 & Up
CTS-6 (7 stations)	102.80	61.68	**41.12**	**34.33**
CTS-12 (13 stations)	124.55	74.73	**49.82**	**41.58**

POWER SUPPLY

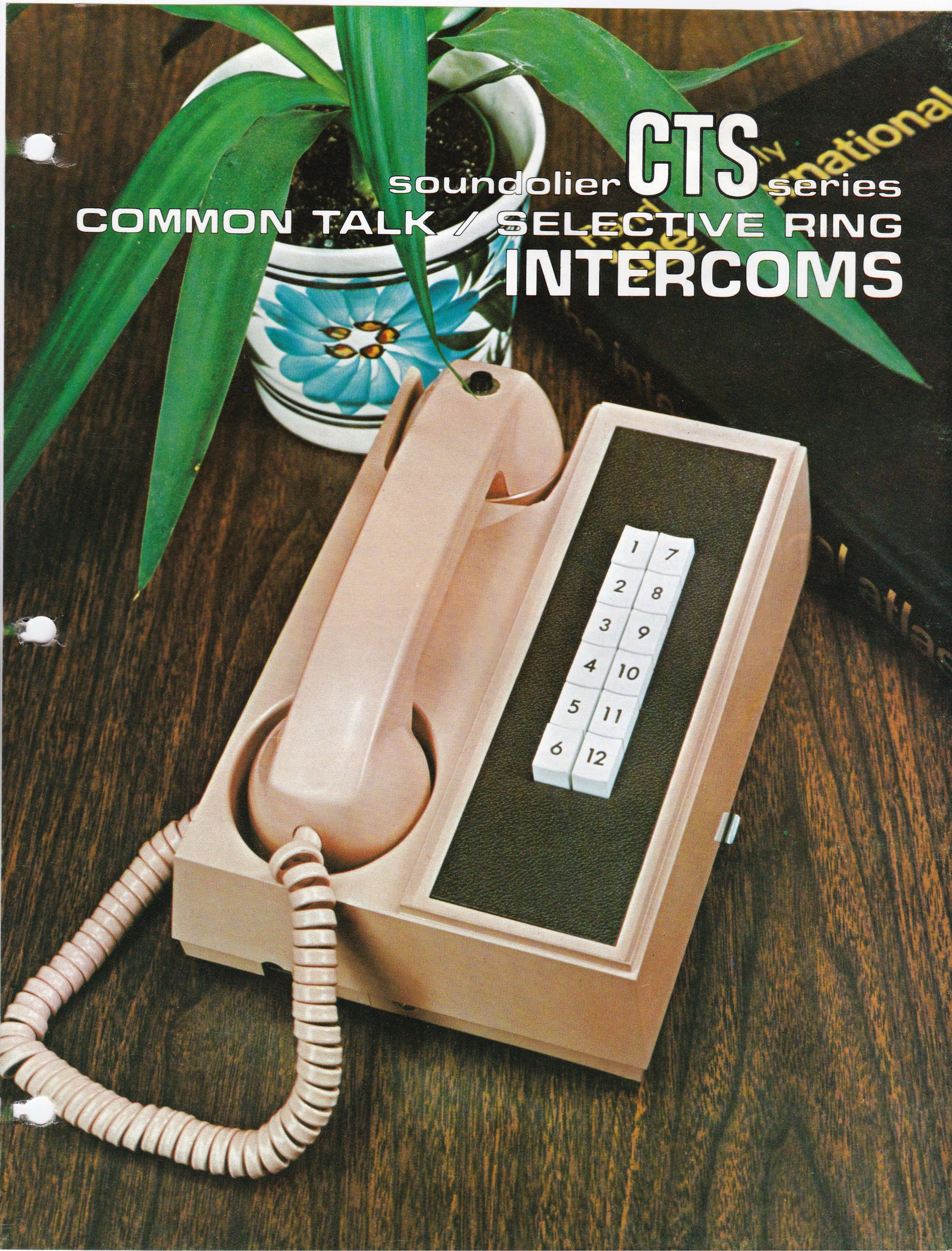
Model No.	List	Dealer Net	1-11	12 & Up
TS242	105.78	63.47	**42.31**	**35.34**

PAGING ADAPTER

Model No.	List	Dealer Net	1-11	12 & Up
PAG-1	95.20	57.12	**38.08**	**31.79**

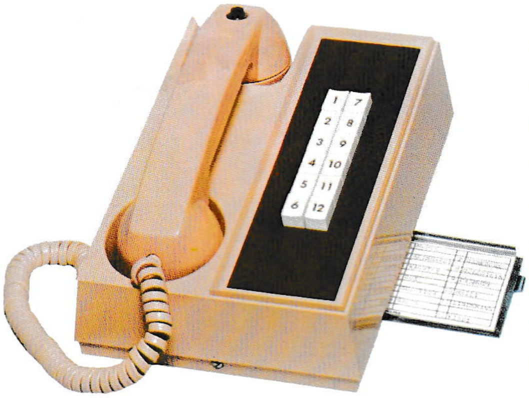
SL 1234
Printed in U.S.A.

soundolier CTS series
COMMON TALK / SELECTIVE RING
INTERCOMS



soundolier

CTS-6 and CTS-12 FEATURES


1
2
3
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12

- **Up to 13 Stations for CTS Series**
- **Paging Operation on Any System with PAG-1 Paging Adapter**
- **Tone Signaling**
- **Page Button in Handset**
- **Conference Call Capability**
- **Desk or Wall Mounting**
- **Handy Index Slides Out from Bottom of Housing**
- **Pag-1 Can Be Used with Existing Background Music Systems**
- **Each Phone Is Complete with Connecting Cable and Terminal Box**

SYSTEM DESCRIPTION AND OPERATION

Series CTS—Common Talk Selective Ring

Series CTS allows individual ringing on a common talk circuit. Up to 7 stations may be connected when using Model CTS-6 and up to 13 stations when using Model CTS-12.

Operation of the system is accomplished by lifting the receiver and simply pushing the button corresponding to the station being called. Since this is a single common talk path telephone, only one conversation is possible at a time.

The CTS System requires a cable arrangement of 4 conductors plus one additional conductor for each station. For example, a 5-station system would require a 9 conductor cable. The CTS System requires Model TS242 power supply for operation.

Model Number	Maximum Stations
CTS-6	7
CTS-12	13

POWER SUPPLY AND PAGING ADAPTER

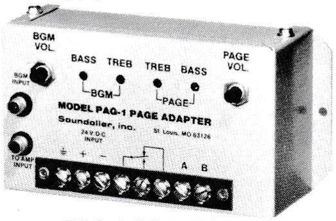
This unit is required for operation of each intercom system and all other accessories. Unit operates on 117 VAC 60 HZ.

OUTPUT FUSE 2 AMP
LINE FUSE 1 AMP
MODEL TS 242
117 V.A.C. AT 60 HZ
24 V.D.C. OUTPUT
OUTPUT RATING 2 AMPS
Soundolier, Inc.
St. Louis, MO 63126
OUTLET NOT SWITCHED 150 WATT LOAD MAX

TS242 POWER SUPPLY

Output Voltage	29 VDC No Load 23 VDC Full Load
Output Current	2 Amps
Output Watts	48
Input Voltage	117 VAC 60 HZ
Input Watts	64
Output Terminals	External screw terminal strip, positive, negative, and ground.
Output Ripple	80 MV @ rated load
Load/No Load/No	22.8—28.8
Weight	9 lbs. (4.08 Kg.)
Size	3⅞"H x 10⅞"W x 6"D 98mmH x 276mmW x 152mmD
Finish	Beige

This unit is required to connect the telephone system to a paging system. Operates on 24 volts D.C. which is available from TS242 power supply.


BGM VOL.
BASS
TREB
TREB
BASS
PAGE VOL.
BGM INPUT
BGM
PAGE
MODEL PAG-1 PAGE ADAPTER
Soundolier, inc.
St. Louis, MO 63126
24 V.D.C. INPUT
TO AMP INPUT
A
B

PAG-1 ADAPTOR

Power Requirements	External 24 VDC (Available from TS242)
Controls	Page Volume Page Bass & Treble BGM Volume BGM Bass & Treble
External Connections	BGM Input-Phono Jack AMP Output-Phono Jack Power & Other—Screw Terminals
Size	2¾"H x 7"W x 3¾"D 70mmH x 178mmW x 95mmD
Finish	Beige

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870
TWX 910-761-1650

SL1227
Printed in U.S.A.

EMERGENCY ALARM SPEAKERS

L30 SERIES
L31 SERIES
L32 SERIES

SOUNDOLIER'S UL LISTED, EMERGENCY ALARM SPEAKERS WITH QUALITY SOUND REPRODUCTION, HAVE BEEN IMPROVED WITH THESE

NEW FEATURES...

LIGHTWEIGHT, HIGH IMPACT PLASTIC HOUSINGS, AND A MODERN, SYMMETRICAL, GRILLE DESIGN.

STANDARD FEATURES

- Underwriters' Laboratories listed
- Smoother frequency response, better intelligibility, minimal distortion
- High impact plastic housing with steel screen to prevent speaker cone damage.
- Available in Red or White (special colors upon request).
- Completely enclosed electronics; No projection of components past housing.
- Completely assembled units, ready to install.
- Surface mounting provides one piece vandal resistant assembly.
- High quality, multi-tapped transformers; ½ and 1 or 2 and 4 watts per speaker.
- Available in both 25 and 70.7 volt versions.
- DC blocking capacitor in transformer primary.
- Unique and attractive bi-directional unit with cast mounting canopy which allows installation without disassembly (bi-directional audible signal device . . . the only one in the industry).
- Bi-directional units require fewer outlet boxes thereby reducing installation costs.

Soundolier announces its comprehensive line of Audible Signal Devices for electronically amplified Life Safety or Fire Alarm systems which now features Underwriters' Laboratories listed plastic housings and aesthetically pleasing contemporary styling.

The plastic material used in the L30, L31, and L32 housings is recognized by Underwriters' Laboratories as an electrical insulating material with flame retardant properties. It carries a flamability rating of 94 V-0 and a continuous use temperature rating of 70° C. Standard colors available are red or white. Cast aluminum mounting canopy on L32 bi-directional is black.

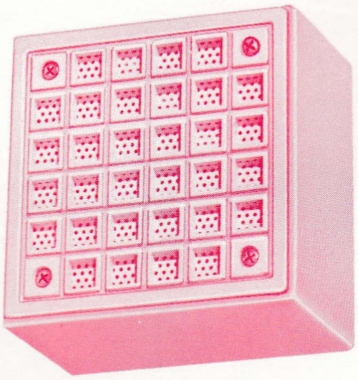
Soundolier Audible Signal Devices faithfully reproduce electronically amplified emergency voice and tone signals. This superior reproductive quality assures intelligibility of voice commands employed to direct occupants to a safe portion of the building or to notify occupants to evacuate the building.

Soundolier makes available 3 different models. The L30 Series is for surface mounting, interior use. The L31 Series is for recessed mounting, interior use. The L32 Series is a bi-directional device and can be wall or ceiling mounted, interior use.

Soundolier Audible Signal Devices are available in 25 or 70.7 volts RMS, ½, 1, 2, and 4 watt continuous ratings for fire alarm signaling use. All Soundolier Audible Signal Devices are Underwriters' Laboratories listed for "Fire Protective Signaling Services" (UL464).

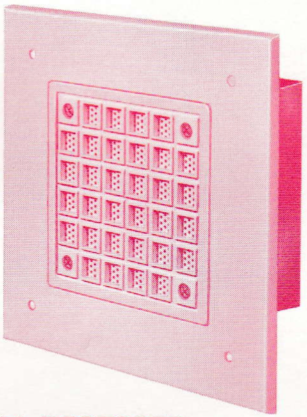
APPLICATIONS:

The Soundolier Emergency Alarm Speakers are ideally suited for high-rise buildings, manufacturing plants, large apartments and condominiums, schools and campus complexes. Other applications are in hotels, office buildings, hospitals, nursing homes, libraries, motels and public buildings of all types.



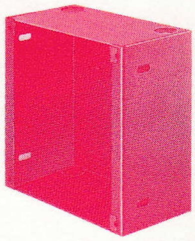
LISTED

L30 SURFACE

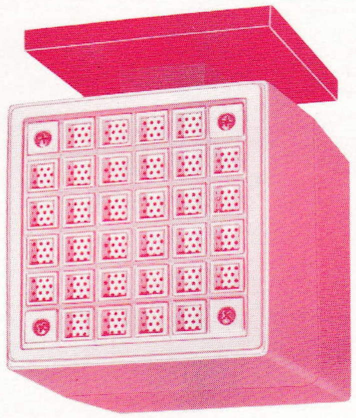


LISTED

L31 RECESSED



L31 SERIES ENCLOSURE



LISTED

(THE ONLY BI-DIRECTIONAL IN THE INDUSTRY)

L32 BI-DIRECTIONAL

EFFECTIVE FEBRUARY 1, 1980
ALL EMERGENCY ALARM SPEAKERS SHIPPED WILL HAVE NEW PLASTIC HOUSINGS

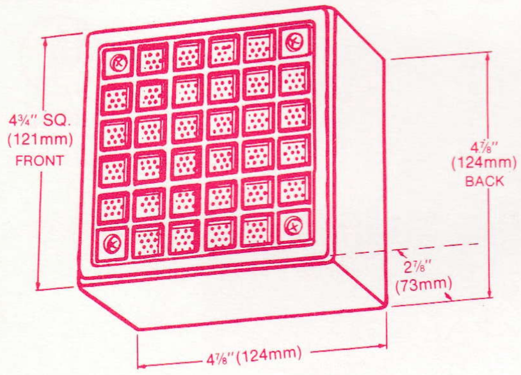
SL 1233
Supersedes SL 1170A
Printed in U.S.A.

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / 314 - 962-9870 / TWX 910 - 761-1650

Soundolier Emergency Alarm Speakers

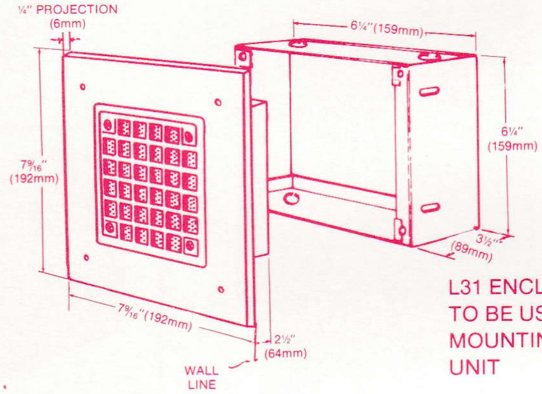
Effective February 1, 1980, all Emergency Alarm Speakers will have New Plastic Housings.

Specifications



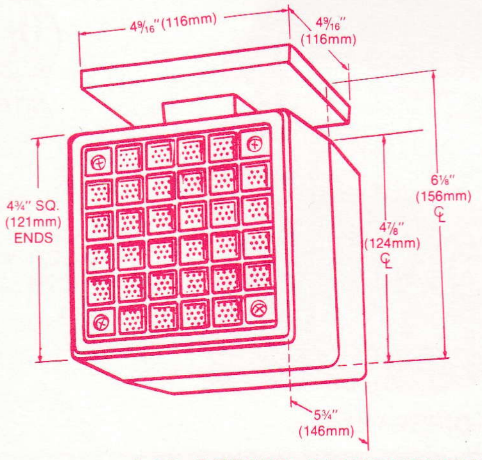
MOUNTS TO
STANDARD 4"(102mm)
SQUARE EO BOX
(NOT INCLUDED)

L30 SERIES SURFACE



L31 ENCLOSURE
TO BE USED WHEN
MOUNTING RECESSED
UNIT

L31 SERIES RECESSED



MOUNTS TO
STANDARD
WALL BOX OR
4"(102mm)
OCTAGONAL
EO BOX

L32 SERIES BI-DIRECTIONAL

Soundolier Audible Signal Devices utilize components of the highest quality and workmanship. This unique combination has produced a quality sound reproducer which meets all specifications regarding emergency signaling devices as set forth in Underwriters' Laboratories "Standard for Safety" UL464.

SPEAKER SPECIFICATIONS

Size:	4" (102mm)
Magnet:	5 oz.(.14kg) ceramic.
Cone:	Fire retardant and moisture proof.
Freq. Response:	400-4000 HZ
Power Rating (RMS):	5 watts
Impedance:	8 ohms
Sensitivity:	85 db at 10 ft.(3048mm), 2 watts input power.

TRANSFORMER SPECIFICATIONS

Primary:	½", 1 or 2,4 watt Multi-tap.
Secondary:	8 ohm
Insertion loss:	Less than 1 db.
Construction:	High grade ⅜"(10mm) sq. core, varnish dipped windings.

WIRING CONNECTIONS

6"(152mm) pigtail leads, color coded.

CAPACITOR

10 mfd @ 50 V	(25 volt models only)
4 mfd @ 150 V	(70.7 volt models only)

Suffix Model Number with "-A" for ½,1 watt version.

Model No.	Matched Line	Watts	Color	Mounting
L30-25R(-A)	25V RMS	2,4 (½,1)	Red	Surface
L30-25W(-A)	25V RMS	2,4 (½,1)	White	Surface
L30-70R(-A)	70.7V RMS	2,4 (½,1)	Red	Surface
L30-70W(-A)	70.7V RMS	2,4 (½,1)	White	Surface
L31-25R(-A)	25V RMS	2,4 (½,1)	Red	Recessed
L31-25W(-A)	25V RMS	2,4 (½,1)	White	Recessed
L31-70R(-A)	70.7V RMS	2,4 (½,1)	Red	Recessed
L31-70W(-A)	70.7V RMS	2,4 (½,1)	White	Recessed
***L31E**	Enclosure Only	Fits All L31 Series		
L32-25R(-A)	25V RMS (See Note)	4,8 (1,2)	Red	Bi-directional
L32-25W(-A)	25V RMS (See Note)	4,8 (1,2)	White	Bi-directional
L32-70R(-A)	70.7V RMS (See Note)	4,8 (1,2)	Red	Bi-directional
L32-70W(-A)	70.7V RMS (See Note)	4,8 (1,2)	White	Bi-directional

*Enclosure L31-E must be specified and ordered separately.

NOTE: The power handling capacity of the bi-directional unit is double that of the recessed and surface versions since it contains two speakers, two capacitors and two multi-tapped line transformers (½ and 1 or 2 and 4 watts each).

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870
TWX 910-761-1650

soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

DISTRIBUTOR NET

PRICE LIST
MAY, 1977

ORDERING INFORMATION*

Option Suffix Code	Description
-L	This option includes AC line cord with molded plug.
-H	This option includes 4 ft. chain suspension with "S" hooks.
-P	This option includes an auxiliary paging and background music input with pot to adjust input level. (Factory set for 70 Volt audio line.)
-C	This option includes a ½" conduit connector installed on the Masker with 6 ft. of UL approved electrical wire to use as hookup to the power source.
-R1	This option includes a rigid pipe 1 ft. long in place of the chain as a means of suspension. It is suggested that this option be used whenever flexible conduit is used. Otherwise, the weight of the flexible conduit may deflect the Masker in its suspension.
-R2	Same as above but with 2 ft. pipe.
-R3	Same as above but with 3 ft. pipe.

***Model Number Examples:**

AM1100-LH — Standard unit with one point chain suspension and line cord with plug.

AM1100-LHP — Standard unit with paging/background-music input, one point chain suspension and line cord with plug.

AM1100-PCR2 — Standard unit with paging input, ½" conduit connector with 6 ft. of UL electrical wire and a rigid 2 ft. pipe suspension system.

***Note: You must specify suspension system and power connection desired.**

THE Masker™

A Self-Contained Audio Masking System

Freight Policy C
Prices shown are distributor net. No further discounts apply.

Model No.	Description	List	Dealer Net	DISTRIBUTOR NET		
				1-49	50-299	300 UP
AM1100-LH	Masker with Line Cord, Chain	173.28	103.97	**69.31**	**66.74**	**64.18**
AM1100-LHP	Masker with Line Cord, Chain, Paging	185.78	111.47	**74.31**	**71.74**	**69.18**
AM1100-LR1	Masker with Line Cord, Rigid 1 ft.	173.28	103.97	**69.31**	**66.74**	**64.18**
AM1100-LR2	Masker with Line Cord, Rigid 2 ft.	174.75	104.85	**69.90**	**67.33**	**64.77**
AM1100-LR3	Masker with Line Cord, Rigid 3 ft.	176.23	105.74	**70.49**	**67.92**	**65.36**
AM1100-PLR1	Masker with Paging, Line Cord, Rigid 1 ft.	185.78	111.47	**74.31**	**71.74**	**69.18**
AM1100-PLR2	Masker with Paging, Line Cord, Rigid 2 ft.	187.25	112.35	**74.90**	**72.33**	**69.77**
AM1100-PLR3	Masker with Paging, Line Cord, Rigid 3 ft.	188.73	113.24	**75.49**	**72.92**	**70.36**
AM1100-CH	Masker with Conduit, Chain	173.28	103.97	**69.31**	**66.74**	**64.18**
AM1100-CHP	Masker with Conduit, Chain, Paging	185.78	111.47	**74.31**	**71.74**	**69.18**
AM1100-CR1	Masker with Conduit, Rigid 1 ft.	173.28	103.97	**69.31**	**66.74**	**64.18**
AM1100-CR2	Masker with Conduit, Rigid 2 ft.	174.75	104.85	**69.90**	**67.33**	**64.77**
AM1100-CR3	Masker with Conduit, Rigid 3 ft.	176.23	105.74	**70.49**	**67.92**	**65.36**
AM1100-PCR1	Masker with Paging, Conduit, Rigid 1 ft.	185.78	111.47	**74.31**	**71.74**	**69.18**
AM1100-PCR2	Masker with Paging, Conduit, Rigid 2 ft.	187.25	112.35	**74.90**	**72.33**	**69.77**
AM1100-PCR3	Masker with Paging, Conduit, Rigid 3 ft.	188.73	113.24	**75.49**	**72.92**	**70.36**

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9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

DISTRIBUTOR NET

PRICE LIST
April, 1979

THE MASKER™

NOW AVAILABLE IN 16 VAC!!!

Freight Policy C
Prices shown are distributor net. No further discounts apply.

Model No.	Description	List	Dealer Net	DISTRIBUTOR NET		
				1-49	50-299	300-Up
AM1100-16VH	Masker, 16 VAC, Chain	183.68	110.21	**73.47**	**70.75**	**68.03**
AM1100-16VHP	Masker, 16 VAC, Chain, Paging	196.93	118.16	**78.77**	**76.05**	**73.33**
AM1100-16VR1	Masker, 16 VAC, Rigid, 1 ft. pipe	183.68	110.21	**73.47**	**70.75**	**68.03**
AM1100-16VR2	Masker, 16 VAC, Rigid, 2 ft. pipe	185.23	111.14	**74.09**	**71.37**	**68.65**
AM1100-16VR3	Masker, 16 VAC, Rigid, 3 ft. pipe	186.80	112.08	**74.72**	**72.00**	**69.28**
AM1100-P16VR1	Masker, Paging, 16 VAC, Rigid, 1 ft. pipe	196.93	118.16	**78.77**	**76.05**	**73.33**
AM1100-P16VR2	Masker, Paging, 16 VAC, Rigid, 2 ft. pipe	198.48	119.09	**79.39**	**76.67**	**73.95**
AM1100-P16VR3	Masker, Paging, 16 VAC, Rigid, 3 ft. pipe	200.05	120.03	**80.02**	**77.30**	**74.58**

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DISTRIBUTOR NET
PRICE LIST
JANUARY, 1979

NEW CABINET ACCESSORIES

Freight Policy C

F.O.B. St. Louis, Missouri. No freight allowance.

Model No.	List	Dealer Net	**DISTRIBUTOR NET**
600-12 (Wall Mount Cabinet)	117.63	70.58	**47.05**
MVX-195 (Monitor Panel)	199.95	119.97	**79.98**
DK19-3 (Writing Desk)	45.88	27.53	**18.35**
AS-100 (Amplifier Shelf)	23.13	13.88	**9.25**
AS-120 (Amplifier Shelf)	25.63	15.38	**10.25**

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DISTRIBUTOR NET

soundolier, inc.

PRICE LIST
October, 1978

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

NEW! Q SERIES + ACOUSTICAL FOAM

Freight Policy C
Prices shown are distributor net. No further discounts apply.

Model No.	Cubic Feet	Speaker Size	List	Dealer Net	DISTRIBUTOR NET
QF38	2	8″	144.03	86.42	51.85
QF412	2	12″	155.61	93.37	56.02
QF58	3	8″	156.11	93.67	56.20
QF612	3	12″	168.33	101.00	60.60
QF712	4	12″	203.94	122.37	73.42
QF812	6	12″	293.22	175.93	105.56
QF915	6	15″	293.22	175.93	105.56
QF164-8		8″	27.78	16.67	10.00
QF164-12		12″	38.22	22.93	13.76
QF164-15		15″	52.06	31.23	18.74

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soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

DISTRIBUTOR NET

PRICE LIST
October 15, 1978

NEW
CUBICAL BI-DIRECTIONAL BAFFLES
(for 4″ and 8″ speakers)

Freight Policy A
Net order $750 receives discount 60-10-10%.
Net order $1500 receives discount 70%, baffle section products only can be combined for discount.

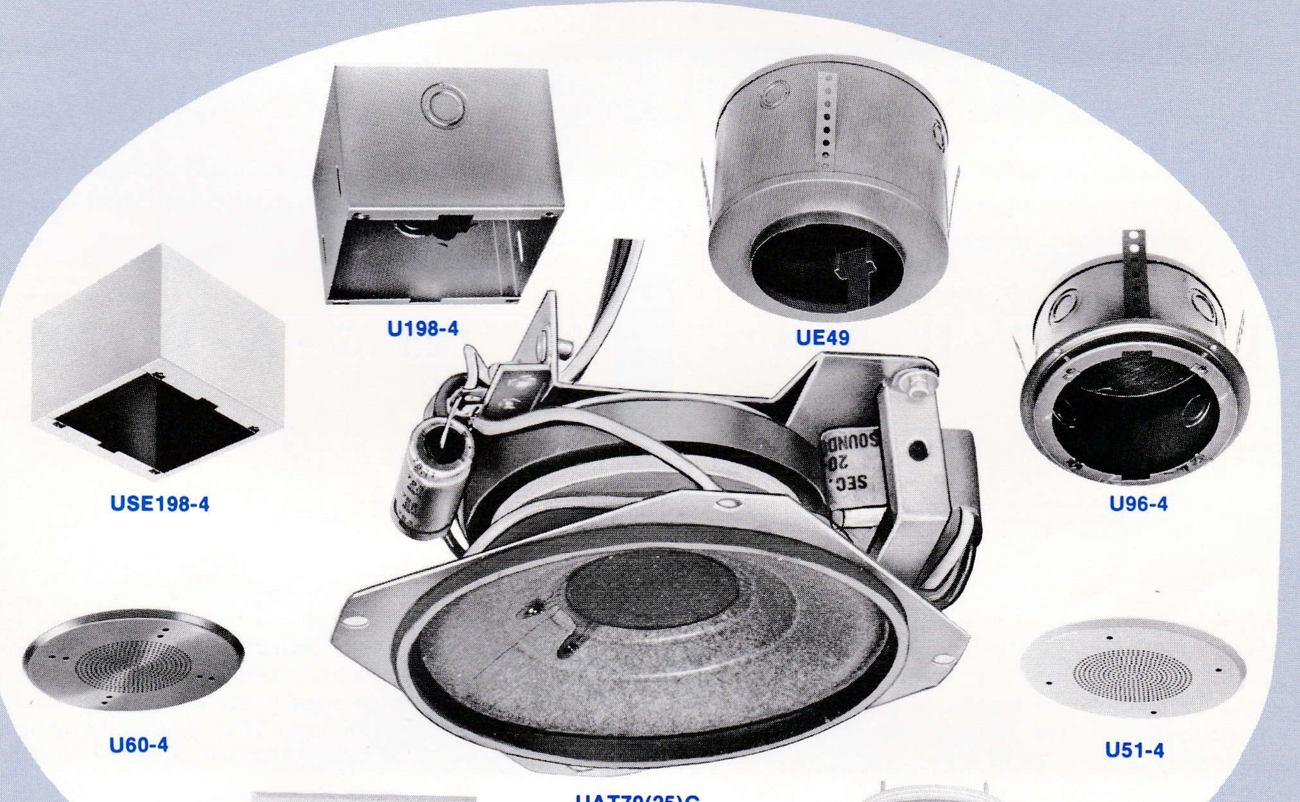
			DISTRIBUTOR NET			
Model No.	List	Dealer Net	1-24	25-49	50-99	100-Up
X48 (4 + Baffle for 4″ speaker)	66.06	39.64	**23.78**	**22.59**	**21.40**	**20.21**
X8800 (8 + Baffle for 8″ speakers)	80.36	48.22	**28.93**	**27.48**	**26.04**	**24.59**

SL 1211
Printed in U.S.A.

new from soundolier

4" UL LISTED SPEAKER PACKAGES FOR EMERGENCY ALARM SYSTEMS

- **Underwriters Laboratories Listed**
- **Completely assembled units, ready to install**
- **An attractive line of 4" baffles to choose from**
- **Fire retardant, moisture proof speaker cone**
- **Two high quality, multi-tapped transformers available with 1/2 & 1, or 2 & 4 watt taps**
- **25 or 70.7 volt versions**



Soundolier is proud to introduce a new line of UL Listed speaker/baffle packages for 4" emergency alarm systems to be used in conjunction with UL listed enclosures. These units have been tested in accordance with UL Requirements for Emergency Alarm Systems. In order to maintain the UL listing, the 4" UL Speaker/Baffle assemblies must be used with Soundolier UL Listed Enclosures.

Now available for the first time are a choice of four attractive Soundolier 4+ Baffles pre-assembled to the UL Listed 4" Speaker. These baffles feature an innovative, contemporary design which will enhance any building interior. Until now most emergency alarm speaker units were not designed to blend well with most building interiors. But now Soundolier offers you dependability and style in the same package. Surface and torsion spring mount baffles are available. And lets not forget about the money you will be saving in labor and installation costs. Our units are completely pre-assembled, ready for the job site.

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TWX 910-761-1650

AVAILABLE BAFFLES

U51-4 TRIM RING BAFFLE
An economical one-piece steel trim ring baffle. Attractive hard baked white enamel finish with speaker mounting studs. Material: Cold rolled steel. Dimensions: 7⅜" Diameter x ¼" Deep.

UT730-4 RECESSED BAFFLE
This two-tone, recessed, ceiling baffle has been designed to simulate recessed lighting fixtures. In addition, a clean over-all appearance is assured by using torsion spring mounting. It is available with either a matte black or charcoal grey regressed interior with polar white trim. Material: Cold rolled steel **UT730-4B:** Satin black and white **UT730-4G:** Charcoal grey and white. Dimensions: 7⅜" Diameter x 1-1/16" Deep.

U60-4 ALUMINUM TRIM RING BAFFLE
This is a sturdy one-piece satin brushed aluminum baffle. Its basic, simple lines complement architectural decor. Material: Aluminum. Dimensions: 7⅜" Diameter x ¼" Deep.

U161-4 Baked matte white steel trim square that facilitates a wide range of applications. Features include one-piece construction, mounting studs and "no leak" gasket. Material: Cold rolled steel. Mounts to: USE198-4 for surface installations, or U198-4 for recessed installations. Dimensions: 7" square x 5/32" Deep.

SPEAKER SPECIFICATIONS

Size:	4"
Magnet:	5 oz. ceramic.
Cone:	Fire retardant and moisture proof.
Freq. Response:	400-4000 HZ
Power Rating (RMS):	5 watts
Impedance:	8 ohm
Sensitivity:	85 db at 10 ft., 2 watts input power.

TRANSFORMER SPECIFICATIONS

Primary:	1/2, 1 or 2, 4 watt Multi-tap.
Secondary:	8 ohm
Insertion loss:	Less than 1 db.
Construction:	High grade ⅜" sq. core, varnish dipped windings.

WIRING CONNECTIONS

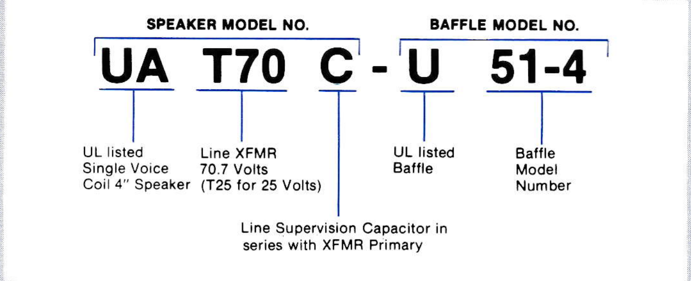
6" pigtail leads, color coded.

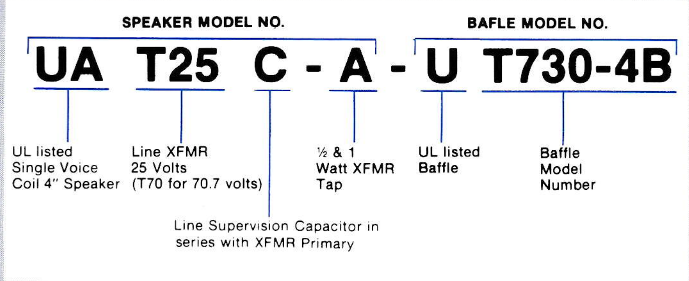
CAPACITOR

10 mfd @ 50 V	(25 volt models only)	(UAT25C)
4 mfd @ 150 V	(70.7 volt models only)	(UAT70C)

SPEAKER/BAFFLE COMBINATIONS

HOW TO ORDER: In order to comply with UL regulations, units must be ordered as packages with the desired speaker/transformer assembly mounted on the desired baffle. Using the Soundolier UL baffles listed at the bottom of this page, construct the package model number per the following examples:


SPEAKER MODEL NO.
BAFFLE MODEL NO.
UA T70 C - U 51-4
UL listed Single Voice Coil 4" Speaker
Line XFMR 70.7 Volts (T25 for 25 Volts)
UL listed Baffle
Baffle Model Number
Line Supervision Capacitor in series with XFMR Primary


SPEAKER MODEL NO.
BAFLE MODEL NO.
UA T25 C - A - U T730-4B
UL listed Single Voice Coil 4" Speaker
Line XFMR 25 Volts (T70 for 70.7 volts)
½ & 1 Watt XFMR Tap
UL listed Baffle
Baffle Model Number
Line Supervision Capacitor in series with XFMR Primary

The **UAT70C-U51-4** example above consists of a 4" single voice coil speaker with 70.7 volt line transformer having primary taps of 2 and 4 watts. Also included is a line supervision capacitor wired in series with the common side of the transformer primary. This speaker/transformer/capacitor assembly is mounted to a UL Listed 51-4 baffle.

The **UAT25C-A-UT730-4B** example above consists of a 4" single voice coil speaker with 25 volt line transformer having primary taps of ½ and 1 watt. Also included is a line supervision capacitor wired in series with the common side of the transformer primary. This speaker/transformer/capacitor assembly is mounted to a UL Listed T730-4B baffle.

**NOTE: ENCLOSURE MODELS LISTED BELOW MUST BE ORDERED SEPARATELY.
ONLY SOUNDOLIER UL LISTED ENCLOSURES MAY BE USED.**

BAFFLE	ENCLOSURE
U51-4	U96-4, U96-4X
U60-4	U96-4, U96-4X
U161-4	U198-4, USE198-4
UT730-4B (G) B=Dura Bronze & Black G=Bronze Green & Black	UE49

UL LISTED BAFFLES AND ENCLOSURES

Please refer to Soundolier Condensed Catalog No. 106B for complete description of baffles and enclosure. Delete prefix "U" to find proper model number in Condensed Catalog. Speakers must be ordered installed on the desired baffle. *(See instructions above.)*

SELF-CONTAINED AUDIO MASKING SYSTEM

Now Available in 16 VAC!!

AM1100 SERIES

FEATURES:

- ✓ **Built-in digital pink noise source**
- ✓ **Built-in IC amplifier (2 watts output)**
- ✓ **Built-in power supply 117 VAC, 60 Hz**
  (16 volt AC version requires external power transformer)
- ✓ **1-1/2 db stepped attenuation**
- ✓ **Two adjustable low pass active shaping filters**
- ✓ **Latest CMOS integrated circuitry**
- ✓ **Power switch**
- ✓ **Optional paging and background music input**
- ✓ **Optional rigid suspension system**
- ✓ **Optional conduit connection**

THE MASKER™

soundolier, inc.

GENERAL DESCRIPTION

Soundolier Masker model AM1100, a self-contained compact audio masking unit for installation in ceiling plenums, is now available in a 16 volt AC version (suffix model number with "-16V"). A six inch metal cube enclosure with unique one point suspension (see Figure 1), allows full 360° positioning of speaker system. Each unit contains its own power supply, digital noise generator, amplifier and 4 inch, 10 ounce ceramic magnet speaker.

The sound output curve of the Masker is preset at the factory per the curve in Figure 2. In addition, Soundolier can preset units to match customer specifications when required.

Controls include a master volume control, stepped attenuation control and two low pass filters which allow adjustment of the sound output curve (Figure 3).

If a particular job requires paging, conduit or rigid suspension systems, these are all available as options by adding the appropriate suffix code to the model number, and now a 16 volt AC version is available. (Consult chart for proper model combinations).

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TWX 910-761-1650

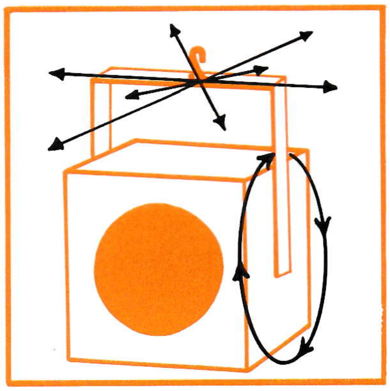
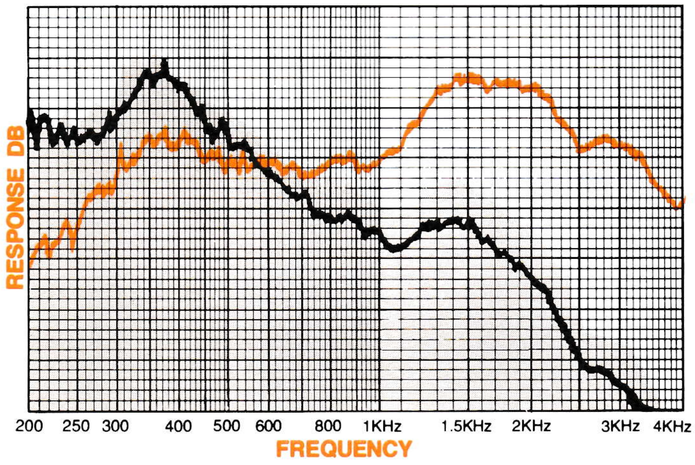


Figure 1.

1/3 OCTAVE ACOUSTICAL RESPONSE OF THE MASKER



Test run at 90db broadband SPL, microphone 6" from speaker.

🟧 LOW PASS FILTERS ADJUSTED FOR MINIMUM EFFECT

STANDARD FACTORY SETTING

■ LOW PASS FILTERS ADJUSTED FOR MAXIMUM EFFECT

Figure 2.

SPECIFICATIONS

Power Requirements: 117 VAC, 60 Hz (16 VAC, 60 Hz when -16V option is used.)

Pink Noise Generator Section: IC type, digital operation.

Amplifier Section: IC type, 2 Watts output.

Power Supply Section: Transformer powered, (117 VAC version only) IC electronic regulator with resettable circuit breaker (E).

Controls: (See Figure 3 for location.)

- (A) Power switch.
- (B) Stepped attentuator with knob adjust (1½ db per step).
- (C) Master volume control with screwdriver adjust (controls overall volume to the stepped attentuator).
- (D) Two low pass filters with screwdriver adjust for sound output wave shaping.

Speaker: 4 inch, 10 oz. ceramic magnet.

Curve Shape: Preset per the curve in Figure 1. Other curve shapes available per customer specifications.

Frequency Response: 200-4000 Hz

OPTIONS AVAILABLE

Option Suffix Code	Description
-L	This option includes AC line cord with molded plug.
-H	This option includes 4 ft. chain suspension with "S" hooks.
-P	This option includes an auxiliary paging and background music input with pot to adjust input level. (Factory set for 70 Volt audio line.)
-C	This option includes a ½" conduit connector installed on the Masker with 6 ft. of UL approved electrical wire to use as hookup to the power source.
-R1	This option includes a rigid pipe 1 ft. long in place of the chain as a means of suspension. It is suggested that this option be used whenever flexible conduit is used. Otherwise, the weight of the flexible conduit may deflect the Masker in its suspension.
-R2	Same as above but with 2 ft. pipe.
-R3	Same as above but with 3 ft. pipe.
-16V	For applications requiring 16 volt AC operation. (8" leads are provided for connection.)

***Model Number Examples:**

AM1100-LH — Standard unit with one point chain suspension and line cord with plug.

AM1100-LHP — Standard unit with paging/background-music input, one point chain suspension and line cord with plug.

AM1100-PCR2 — Standard unit with paging input, ½" conduit connector with 6 ft. of UL electrical wire and a rigid 2 ft. pipe suspension system.

***Note: You must specify suspension system and power connection desired.**

CONTROL PANEL OF MODEL AM1100

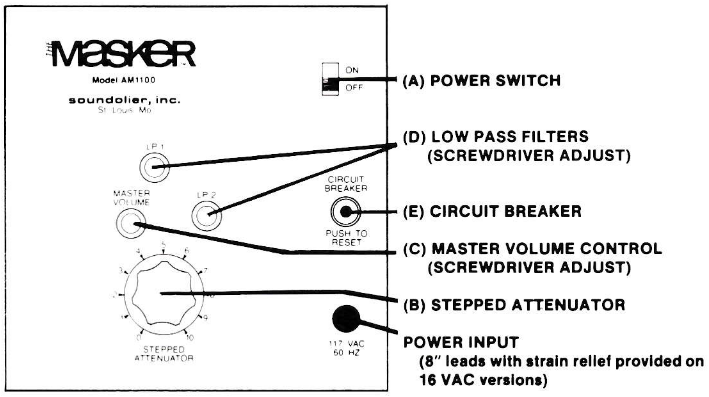


Figure 3.

ARCHITECT'S AND ENGINEERS SPECIFICATIONS

The self contained audio masking system shall be Soundolier Model AM1100 or approved equal. The unit shall be completely self-contained in a 6" metal cube enclosure and have one point suspension allowing for full 360° positioning of speaker system. Each unit shall be transformer powered with IC electronic regulator and resettable circuit breaker. The pink noise generator shall be an IC type with digital operation. The amplifier shall be an IC type with 2 watts output. The speaker shall be a 4 inch, 10 oz. ceramic magnet. Model AM1100 shall have a power requirement of 117 VAC, 60 Hz (16 VAC, 60 Hz when -16V option is used). The curve shall be preset at the factory (other curve shapes available upon request). Frequency response shall be 200-4000 Hz. Control panel shall consist of a power switch with on and off positioning, stepped attentuator with knob adjust (1½ db per step), master volume control with screwdriver adjust, two low pass filters with screwdriver adjust for sound output wave shaping. Finish of the unit shall be a black semi-gloss baking enamel.

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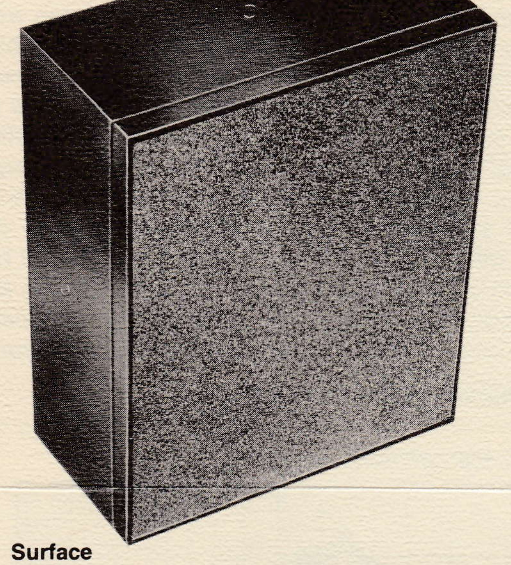
New...

Q series FOAM



Surface Models

Model No.	Speaker Size	Cubic Feet
QF38	8″	2
QF412	12″	2
QF58	8″	3
QF612	12″	3
QF712	12″	4
QF812	12″	6
QF915	15″	6

soundolier

has combined its best enclosures, the

Q series

with the big, rich, full sound

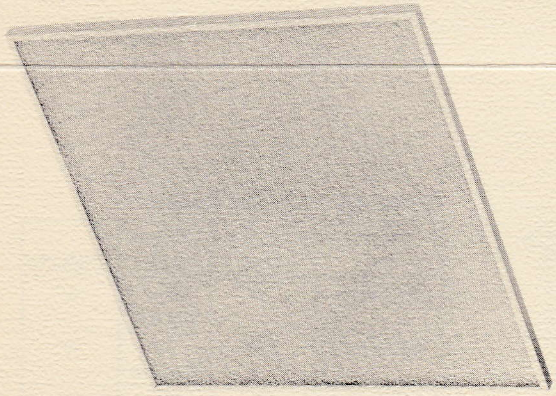
and...

one of the newest concepts in the commercial sound industry...

Acoustical Foam

for maximum sound transmission and interior design aesthetics.

Now available in Surface models and Recessed models



Baffles for Recessed Models

Model No.	Speaker Size	Mounts to Following Enclosures
QF164-8	8″	Q418, Q438, Q458
QF164-12	12″	Q4412, Q4612, Q4712, Q4812
QF164-15	15″	Q4915

- Q-SERIES ENCLOSURES ELIMINATE "HANGOVER" AND VIBRATION
- ACOUSTICAL FOAM BAFFLES ALLOW MAXIMUM SOUND ENERGY TRANSMISSION
- 2, 3, 4, & 6 CUBIC FOOT SIZES
- 8″, 12″, AND 15″ SPEAKER SIZES
- SURFACE MODELS ARE PRE-ASSEMBLED
- EASY INSTALLATION
- ACOUSTICAL FOAM IS SPECIALLY TREATED RETICULATED POLYURETHANE
- SPECIAL URETHANE RIGIDIZING PROCESS PREVENTS SAG
- ALL SURFACE, 12″ AND 15″ RECESSED MODELS HAVE DECORATIVE WIRE RETAINERS TO SUPPORT URETHANE COVERINGS

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TWX 910-761-1650

Q series with Acoustical Foam

Soundolier's Deluxe Q-Series line expands to include baffle models with acoustical foam. Now you have a choice of Q-series surface enclosures with attractive reticulated polyurethane speaker openings or square foam baffles which mount to a variety of Q-Series enclosures.

Soundolier has taken their top-of-the-line metal enclosures and combined them with the newest concept in the commercial sound industry, reticulated polyurethane foam. AN ACOUSTICAL BREAKTHROUGH!!!

The Q-Series has been developed in response to the commercial sound industry's need for a large loud speaker enclosure for use in high quality distributed sound systems. Utilizing ½ inch thick acoustical fiber board permanently affixed to the inner walls and ½ inch thick fiberglass lining, "hangover" and vibration normally associated with large metal enclosures are eliminated. The result is a big, rich, full sound normally associated with wood enclosures.

Soundolier's acoustical foam baffles represent one of the newest concepts in the commercial sound industry. The foam baffles assure you of maximum sound energy transmission. Comparison of sound pressure levels with and without foam in front of a speaker produced no discernable difference in the audio spectrum from 20 Hz through 20 KHz (see figure 1 below). In addition to the exceptional acoustical properties exhibited by the foam baffles, the overall style compliments any interior decor.

Q-series plus Acoustical Foam...the best sound available from Soundolier.

COMPARISON OF SOUND PRESSURE LEVELS WITH AND WITHOUT FOAM

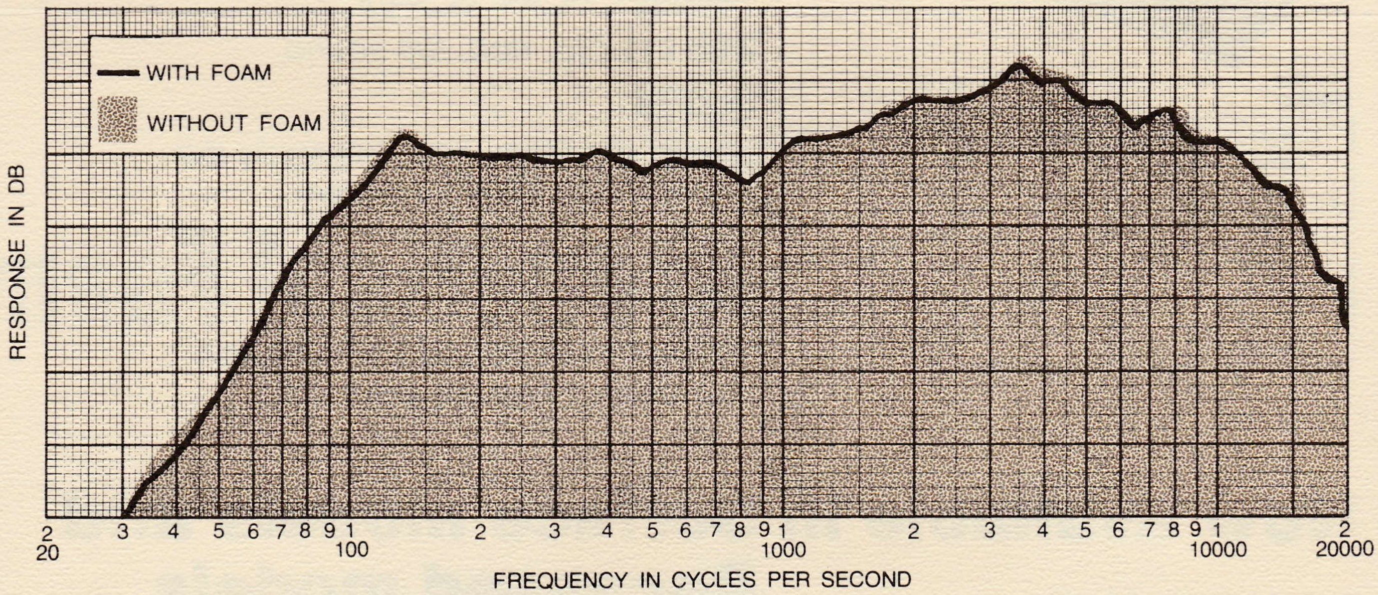
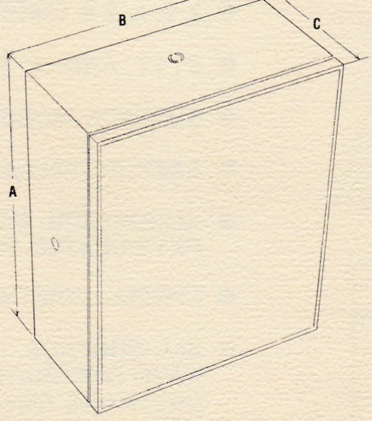


Figure 1.

DIMENSIONS

Surface Models

Model No.	Speaker Size	Cubic Feet	Dimensions A	Dimensions B	Dimensions C
QF38	8″	2	23″	18″	9″
QF412	12″	2	23″	18″	9″
QF58	8″	3	23″	18″	13″
QF612	12″	3	23″	18″	13″
QF712	12″	4	23″	18″	17¾″
QF812	12″	6	29½″	23″	16″
QF915	15″	6	29½″	23″	16″



Baffles for Recessed Models

Model No.	Speaker Size	Dimensions	Projects
QF164-8	8″	12⅞″ Square	½″
QF164-12	12″	16″ Square	½″
QF164-15	15″	20⁹⁄₁₆″ Square	½″

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SL 1191
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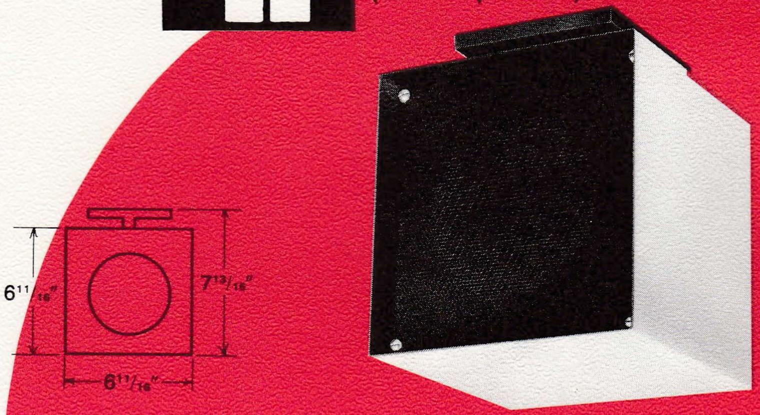
NEW! 4+ & 8+ CUBICAL BI-DIRECTIONAL BAFFLES

TO COMPLIMENT OUR FINE LINE OF 4+ & 8+ CYLINDRICAL SYSTEMS

4+

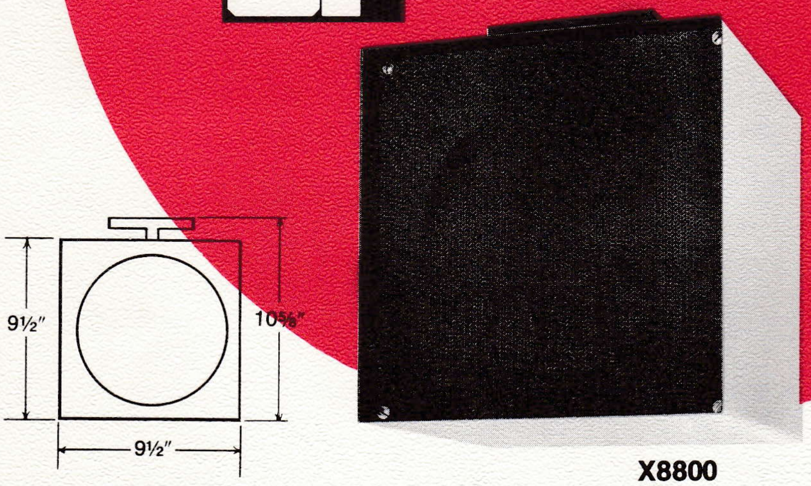
GOOD LOOKS IN A SMALL PACKAGE
(For 4" speakers)



X48

8+

CLEAN DESIGN FOR MODERN INTERIORS
(For 8" speakers)



X8800

- **Crisp, uncluttered design for a neat trim appearance.**
- **Textured white enclosure with contrasting matte black speaker grille and mounting canopy.**
- **4-inch and 8-inch speaker sizes.**
- **Sturdy cold rolled steel construction.**

Soundolier's 4+ and 8+ baffle systems represent the best approach to contemporary styling and high quality construction. Now two new baffle additions reflecting the same engineering achievement have been added. For the first time cubical bi-directional baffles, in an attractive textured white enclosure with contrasting matte black recessed perforated grille, are available in 4-inch and 8-inch speaker sizes. The overall clean simplistic style will blend well with todays modern building interiors. Models X48 and X8800 are constructed of a sturdy 20 gauge cold rolled steel enclosure and 22 gauge cold rolled steel perforated grille.

For quality sound and contemporary styling 4+ and 8+ may be your answer.

Consult Soundolier's condensed catalog 106B or specification sheets on the 4+ and 8+ baffle system for more information.

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soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870
TWX 910-781-1650

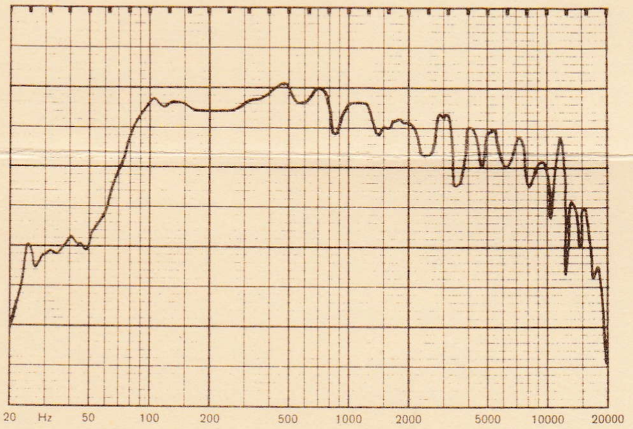
SL 1196
Printed in U.S.A.

FOR YOUR INFORMATION:
"Q" SERIES LAB RESULTS

The "Q" Series metal enclosures offer several substantial benefits in terms of reduced installation costs. However, not to be overlooked is the top quality sound the series produces.

After extensive listening tests comparing Soundolier's "Q" Series with ¾" plywood enclosures of the same size, our subjects were unable to detect any difference in sound quality. However, in addition our engineers conducted several technical tests.

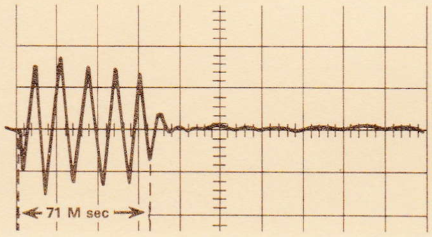
The results of two of these tests are shown below. The frequency response curves closely approximate each other. The tone burst tests exhibit the same similarity. Both tests, together with the listening tests, indicate that the wall vibrations and hangover problems of metal enclosures have been solved.



Metal Enclosure

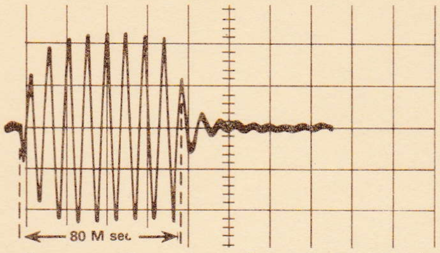
Frequency response curve of a 12" speaker in Soundolier's Q4812, 6 cu. ft. enclosure. On axis curve with 12.5 watts into speaker. Mic 8 ft. from speaker.

Enclosure treatment consisted of (2) ½" layers of fiberboard and 1½" of 1½ lb. density fiberglass. Enclosure wt. = 58 lbs.



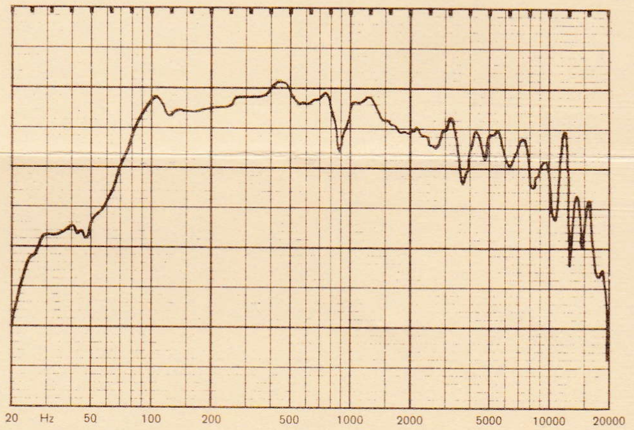
**Metal Enclosure (6 cu. ft.), Soundolier Q4812 model.
Tone Burst Test**

Frequency = 70 HZ
Power in = 5 watts
Pulse duration = 71 Millisec.



**Metal Enclosure (6 cu.ft.), Soundolier Q4812 model.
Tone Burst Test**

Frequency = 100 HZ
Power in = 5 watts
Pulse duration = 80 Millisec.

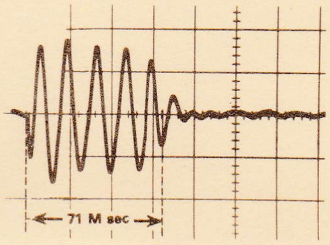


Wood Enclosure (¾" Plywood)

Frequency response curve of a 12" speaker in a wood 6 cu. ft. enclosure. On axis curve with 12.5 watts into speaker. Mic 8 ft. from speaker.

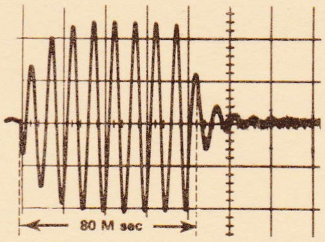
Enclosure treatment consisted of a lining of 1½" thick, 1½ lb. density fiberglass.

Enclosure wt. = 50 lbs.



**Wood Enclosure (6 cu. ft. ¾" Plywood)
Tone Burst Test**

Frequency = 70 HZ
Power in = 5 watts
Pulse duration = 71 Millisec.



**Wood Enclosure (6.cu. ft. ¾" Plywood)
Tone Burst Test**

Frequency = 100 HZ
Power in = 5 watts
Pulse duration = 80 Millisec.

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FOR YOUR INFORMATION:

ECONOMICAL SPEAKER/TRANSFORMER/BAFFLE PACKAGES

An Easy and Convenient Way to

$$$ SAVE TIME AND MONEY $$$

Let Us Work for You

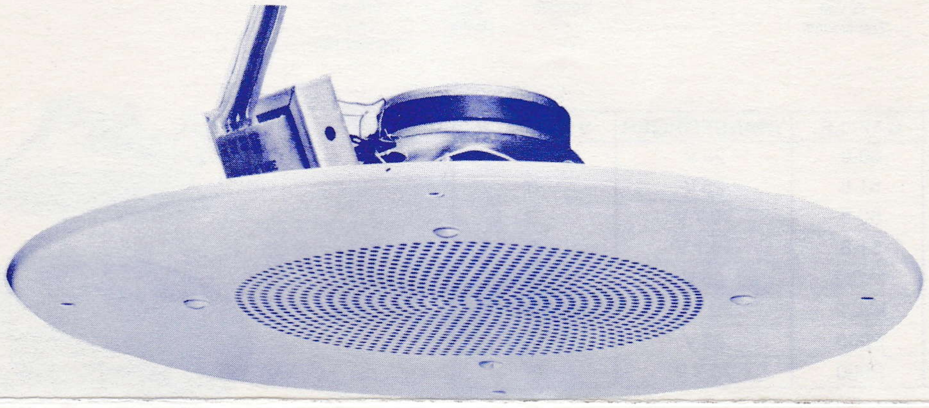
Soundolier has 4 Standard Package Series: D, G, FD and SV . . .

offering a combination of speakers, transformers and baffles that will fit almost all your needs.

PLUS

Soundolier's Customized Assemblies.

Select your own combination of speaker/transformer/baffle and we'll assemble them for you.



One Simple phone call gets it all done!

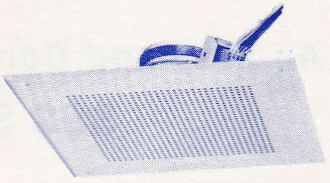
Call 314-962-9870 collect . . .

the next time you have a need for a high quality speaker/transformer and baffle, weigh the advantages of Soundolier's pre-assembled baffle/speaker/transformer combinations and let us ship direct to your job site.

It will save you TIME and MONEY!!!!

ECONOMICAL SPEAKER/TRANSFORMER/BAFFLE PACKAGES

	SPEAKER D	SPEAKER G	FD	SV
Size	8"	8"	8"	Same as FD but with volume control
Magnet Weight	10 oz.	5 oz.	5 oz.	
Magnet Material	Ceramic	Ceramic	Ceramic	
V. C. Diameter	1"	1"	¾"	
V. C. Impedance	8 Ohms	8 Ohms	8 Ohms	
Flux Density	10,000 Gauss	9,200 Gauss	9,200 Gauss	
Sensitivity	97 db	96 db	96 db	
Watts (Program)	25	15	15	
Response	30Hz-19KHz	30Hz-15KHz	30Hz-15KHz	
Depth	3"	2¹¹/₁₆"	2¹¹/₁₆"	
Trans. Volts	70.7 (or 25)	70.7 (or 25)	70.7 (or 25)	
Core Size	⅝" x ⅝"	⅝" x ⅝"	⅝" x ⅝"	
Pri. Taps	C, ½, 1, 2, 5	C, ½, 1, 2, 5	C, ½, 1, 2, 5	
Standard Baffle Models Available	23-8, 24-8, 51-8, 60-8, 61-8, 62-8, 67-8, 68-8, 110-8, 161-8, 164-8, 169-8, 210-8, 260-8, 410-8, 415-8, 420-8, 510-8, 512-8, T620-8		51-8, 60-8, M222, M222W, P900	



D161-8-25

G51-8-70

HOW TO ORDER:

For D and G Series, construct the package model number by using the following examples.

D 161-8 – 25

Speaker D
161-8 Baffle
25 Volt Transformer

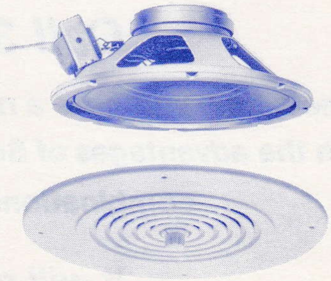
G 51-8 – 70

Speaker G
51-8 Baffle
70.7 Volt Line Transformer

MODEL NO.	BAFFLE	TRANSFORMER	STD. PACK
FD25A	60-8	25 V	6
FD25W	51-8	25 V	6
FD70A	60-8	70.7 V	6
FD70W	51-8	70.7 V	6
FD25M222 (A or W)	M222	25 V	6
FD70M222 (A or W)	M222	70.7 V	6
FDP900-25	P900	25 V	5
FDP900-70	P900	70.7 V	5

FD Series

50 Ohm Pot mounted in center of grille includes white knob.	SV SERIES		50 Ohm Pot recessed behind grille, screwdriver adjust.
MODEL NO.	**TRANSFORMER**	**BAFFLE**	**MODEL NO.**
SV1-2K	25 V	51-8, CRS, semi-gloss white enamel	**SV1-2S**
SV1-7K	70.7 V		**SV1-7S**
SV2-2K	25 V	60-8, aluminum satin finish	**SV2-2S**
SV2-7K	70.7 V		**SV2-7S**
SV3-2K	25 V	M222, aluminum, satin finish	**SV3-2S**
SV3-7K	70.7 V		**SV3-7S**
SV4-2K	25 V	M222W, al., semi-gloss white enamel	**SV4-2S**
SV4-7K	70.7 V		**SV4-7S**
SV5-2K	25 V	P900, white polystyrene plastic	**SV5-2S**
SV5-7K	70.7 V		**SV5-7S**



SV Series

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FOR YOUR INFORMATION:

SPEAKER DIAMETER VS SPEAKER DIRECTIVITY

NOTES FROM THE ENGINEERING DEPARTMENT

An acoustical phenomenon not generally known or possibly overlooked is that a smaller diameter loudspeaker has a wider polar pattern than a larger diameter loudspeaker at a given frequency. In practical terms, a smaller diameter speaker can cover a given area in low level sound as well as if not better than a larger speaker provided certain other factors are present. We are, of course, assuming that the smaller speaker is satisfactory in reference to power handling capabilities and frequency response.

In order to pictorially demonstrate the above, the Soundolier Engineering Department plotted the polar patterns of a 4″ flat rigid piston and an 8″ flat rigid piston at 1000, 3000 and 7000 hz. The rigid piston was chosen in order to avoid the conclusion that the directivity patterns as shown were the products of a particular speaker or manufacturer.

The difference in the polar patterns for the 4″ and 8″ radiators at a particular frequency are quite striking. To illustrate the point, refer to figure 1. If we assume the sound pressure level on the axis is identical and at 60 db for both the 4″ and 8″ radiators and that the distance from the radiators remains constant for all measurements, at a point 30° off the axis for 1000 hz, the sound pressure levels are

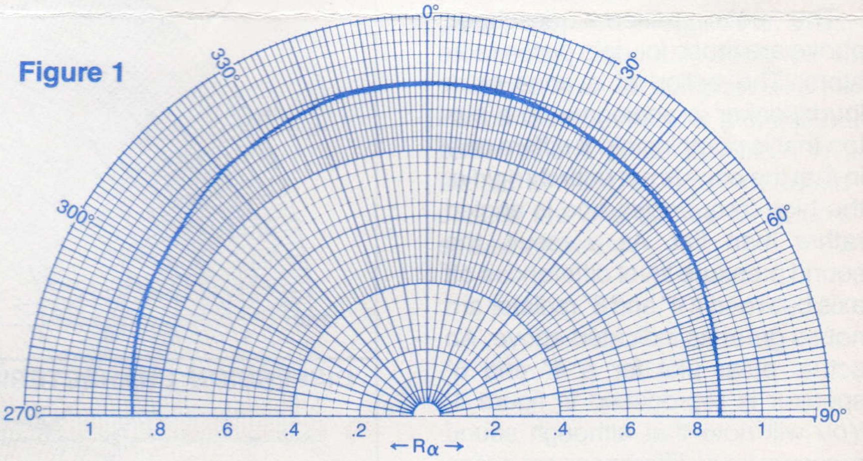
4″ radiator – 58.2db
8″ radiator – 52.8db

for 60° off the axis

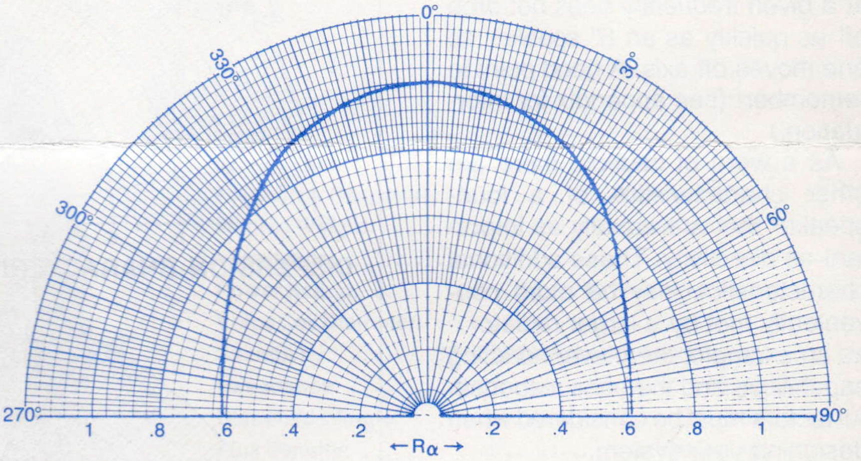
4″ radiator – 55.2db
8″ radiator – 40.8db

DISPERSION CHARACTERISTICS FOR 4″ RIGID PISTON @ 1000 ∿

Figure 1



DISPERSION CHARACTERISTICS FOR 8″ RIGID PISTON @ 1000 ∿



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The differences are brought out even more at higher frequencies. Figure 2 shows the polar patterns at 3000 hz. The sound pressure levels at 30° are

4″ radiator – 45.6db
8″ radiator – 15.6db

at 60°, the difference is even more startling

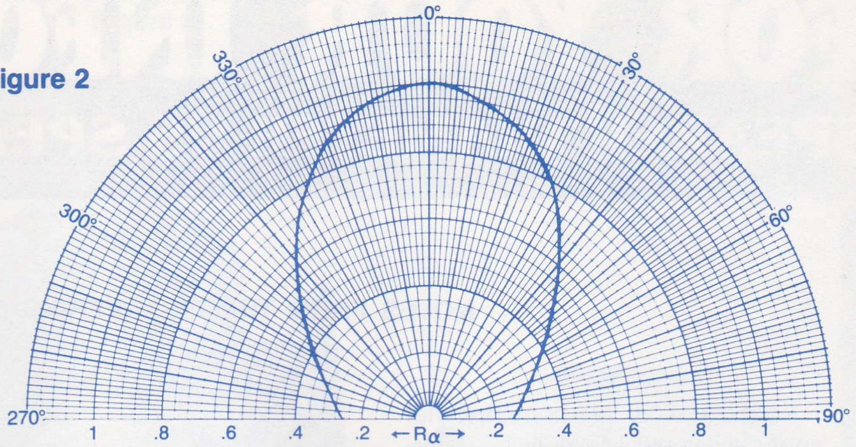
4″ radiator – 24db
8″ radiator – 7.8db

The polar patterns described above are those for rigid piston radiators. The action of a cone on a loudspeaker is analogous to a piston that is pumping air. It differs only in that the cone is not entirely rigid at the high frequencies and is angled rather than flat. As a result, the sound pressure level differences off axis between a 4″ and 8″ radiator are not as great as indicated above. An actual polar plot for a 4″ and 8″ speaker is reproduced in figure 4. You will note that although sound pressure level differences are not as great as for the rigid piston, the same general conclusion is evident; a 4″ speaker's sound pressure level at a given frequency does not drop off as quickly as an 8″ speaker as one moves off axis. A good point to remember! (see appendix for information.)

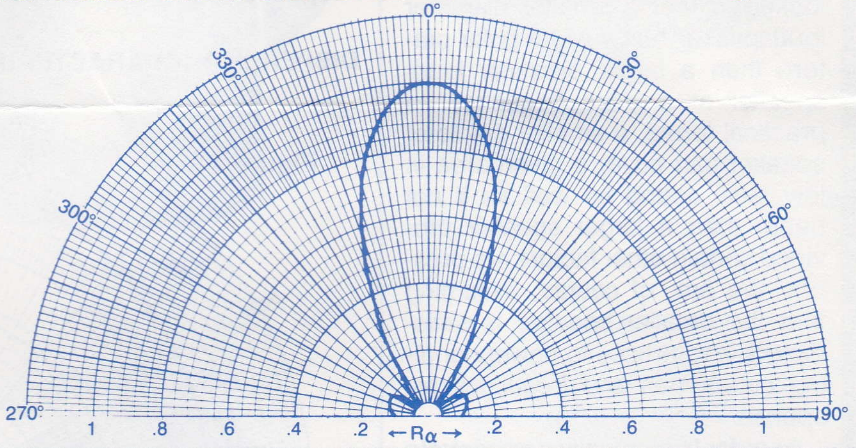
As a word of caution, there are other characteristics of a loudspeaker that are equally as important as directivity. These additional characteristics may be more conveniently met by a larger radiator – as an example, the power handling capabilities and the bass response. All factors must be considered when designing your system.

DISPERSION CHARACTERISTICS FOR 4″ RIGID PISTON @ 3000 ∿

Figure 2

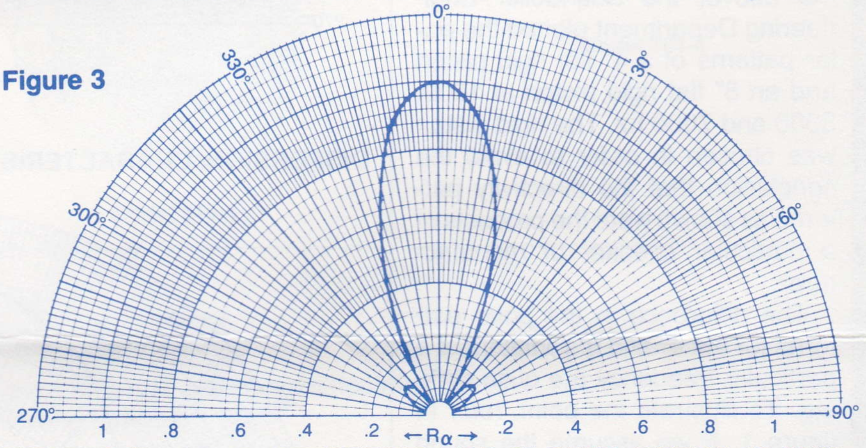


DISPERSION CHARACTERISTICS FOR 8″ RIGID PISTON @ 3000 ∿

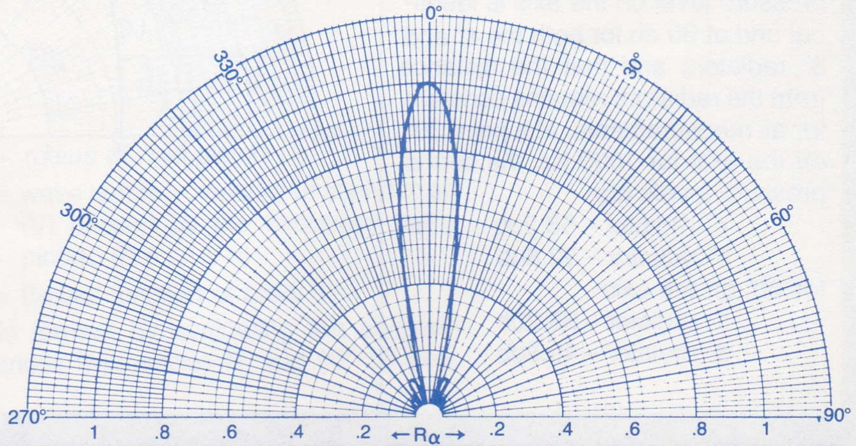


DISPERSION CHARACTERISTICS FOR 4″ RIGID PISTON @ 7000 ∿

Figure 3



DISPERSION CHARACTERISTICS FOR 8″ RIGID PISTON @ 7000 ∿



TYPICAL POLAR PLOTS FOR 4″ SPEAKER

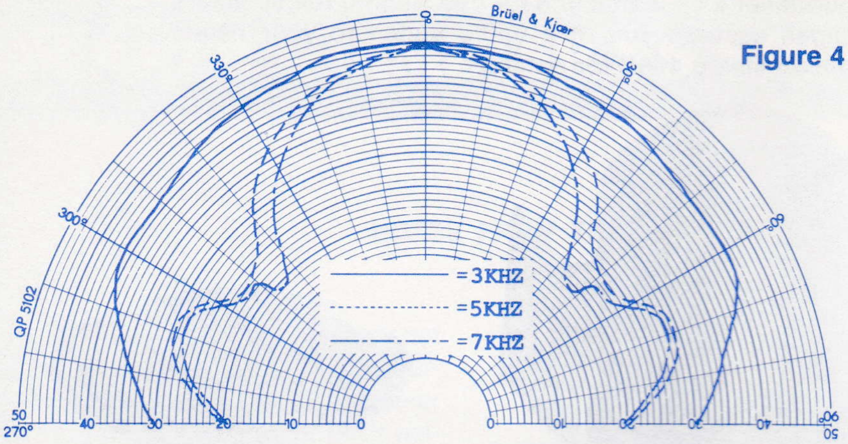
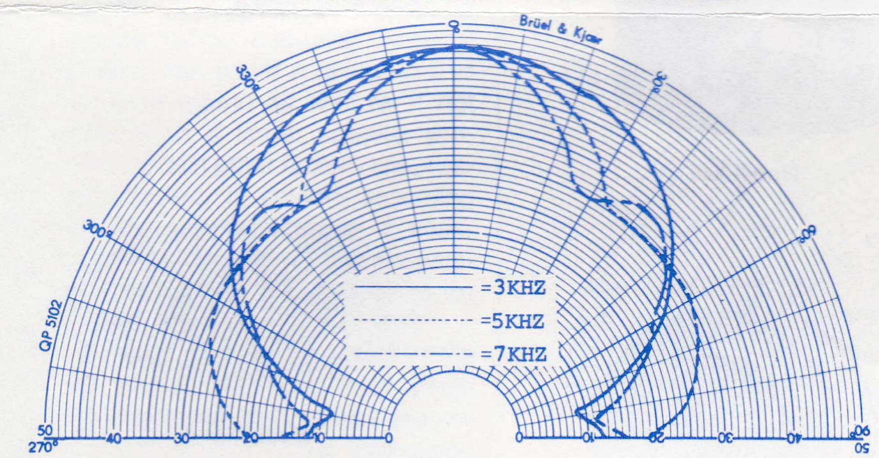


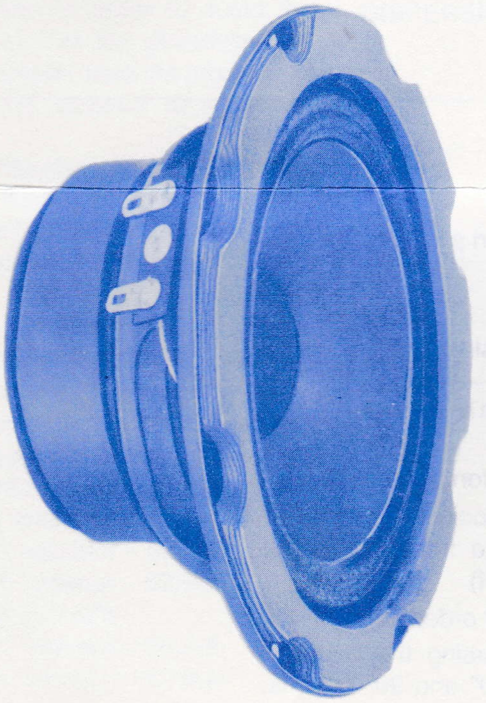
Figure 4

TYPICAL POLAR PLOTS FOR 8″ SPEAKER



When you have weighed all the factors regarding speaker size and have determined a 4″ speaker is what you need, consider the Soundolier FC104 (see figure 5). The superb quality of this sound reproducer is complemented with an entire line of baffles and enclosures of contemporary design (see figure 6). Soundolier's four plus (4+) line of speaker baffles has the modern, clean, crisp lines required by many architects. They are designed to enhance and not compete with the interior decor. Whether a cylindrical baffle of one piece aluminum or a simple trim ring is required, Soundolier is the one source for your 4″ speaker needs!

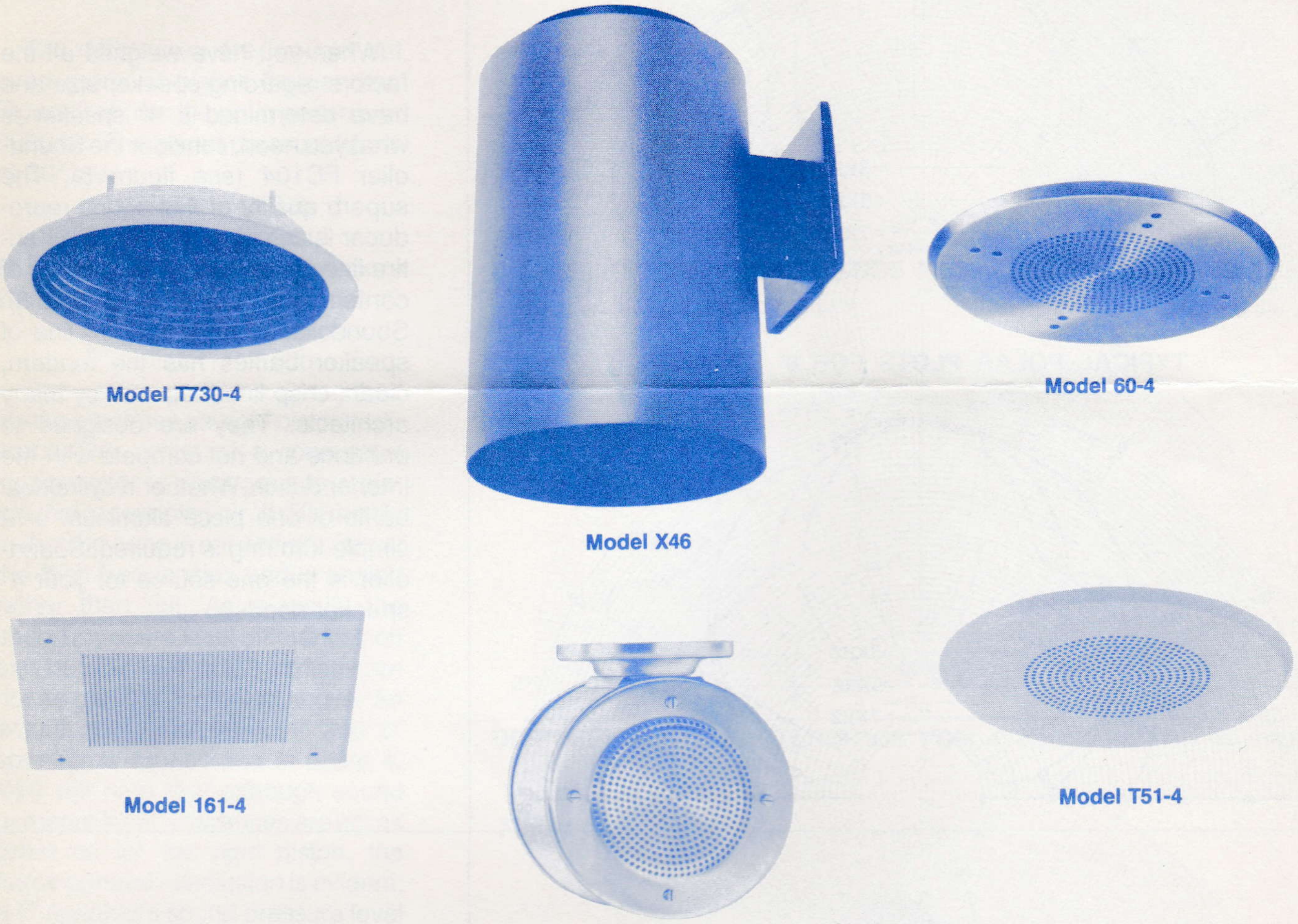
Figure 5



Speaker Size:	4″
Frequency Response:	60 Hz to 18KHz
Magnet Weight:	10 ounce Ceramic
Impedance:	8 ohms
Power Rating:	10 Watts Program
Voice Coil Diameter:	1″
Sensitivity:	93 db (SPL at 4′ with 1 watt input)
Resonance:	85 Hz
Dispersion Angle:	90°
Flux Density:	10,500 Gauss
Speaker Depth:	2¼″ (Less Transformer)

Figure 6

Shown below are some of Soundolier's 4+ baffle line for use with FC104 speakers. The range of colors and shapes assures you of a baffle suited to your needs. Consult Soundolier's condensed catalog 106B for details.



Model T730-4

Model X46

Model 60-4

Model 161-4

Model 510-4

Model T51-4

APPENDIX

The polar plots of a rigid piston are calculated by using the following formula:

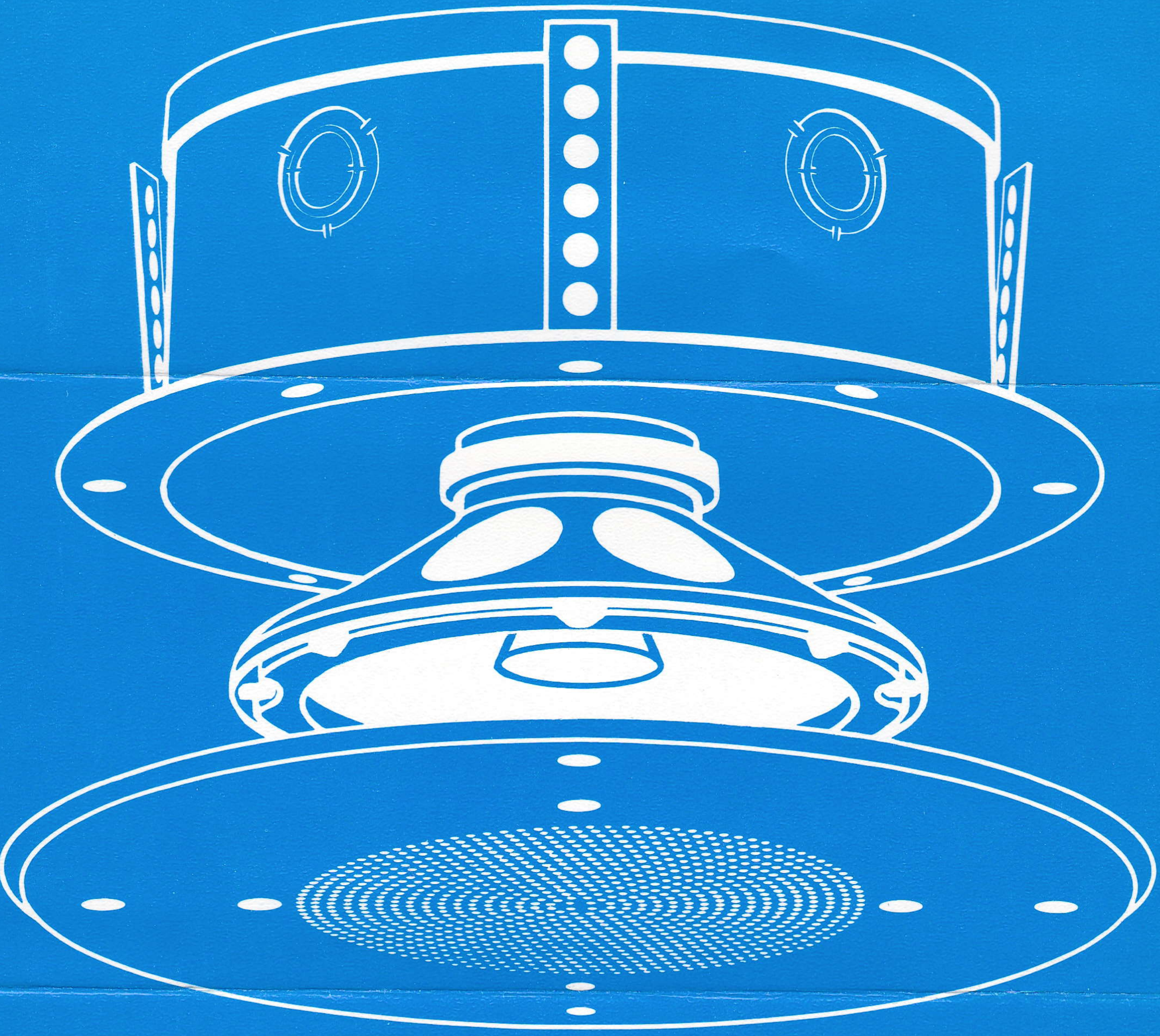
$$R_{\alpha} = \frac{2J_1\left(\frac{2\pi R}{\lambda}\sin\alpha\right)}{\frac{2\pi R}{\lambda}\sin\alpha}$$

Where: R = radius of rigid piston

λ = wave length = velocity of sound in air (V) divided by the frequency being plotted (f) (i.e., V/f)

J_1 = Bessel function of order 1

The plot is formed by evaluating the equation above for various frequencies 0° and 90° off axis.



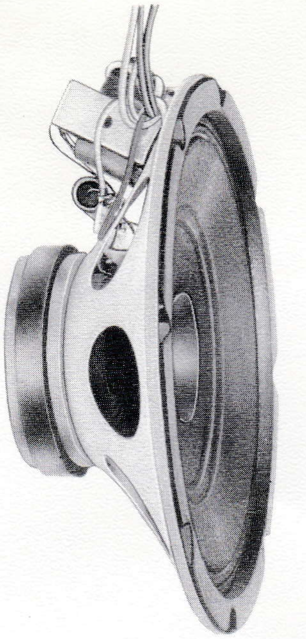
soundolier, inc.

NEW 8″ SPEAKER SYSTEM

UL

UNDERWRITER'S LABORATORIES LISTED

UH



A *FIRST* FROM SO

UL LISTED 8
SPEAKER

for Background Music and

SPEAKER SPECIFICATIONS

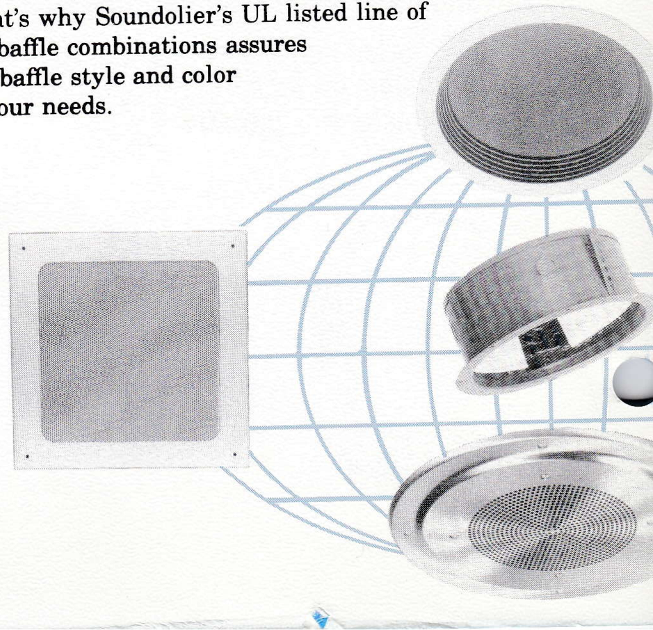
	UHT70C UHT25C	UKT70-2 UKT25-2
Speaker Type	Single Voice Coil	Dual Voice Coil
Speaker Size	8″	8″
Magnet	10 Oz. Ceramic	10 Oz. Ceramic
Cone	Molded Cone with fire retardant impregnation. Includes Whizzer Cone.	Molded Cone with fire retardant impregnation. Includes Whizzer Cone.
Frequency Response	50Hz – 15KHz	70Hz – 10KHz
Power	12 Watts (RMS)	9 Watts (RMS)
Impedance	8 Ohms	8 Ohms (Ea. Coil)
Flux Density	10,000 Gauss	10,000 Gauss
Sensitivity	95 db	92 db
Voice Coil Diameter	1″	1″
Depth	3″	3″
TRANSFORMER SPECIFICATIONS		
No. of Transformers Installed	1	2
Primary Volts	**UHT70C** – 70.7V	**UKT70-2** – 70.7V
	UHT25C – 25V	**UKT25-2** – 25V
Frequency Response	100Hz – 10KHz ± 1.5 db	100Hz – 10KHz ± 1.5 db
Primary Taps	½, 1, 2 & 5 Watts	½, 1, 2 & 5 Watts
Secondary Impedance	8 Ohms	8 Ohms
Insertion Loss	1.2 db	1.2 db
Core Size	⅝″ x ⅝″	⅝″ x ⅝″
Power Rating	5 Watts	5 Watts
Leads	6″ Color Coded	6″ Color Coded
Line Supervision Capacitor	**UHT70C** – 4 mfd	Not Applicable
	UHT25C – 10 mfd	

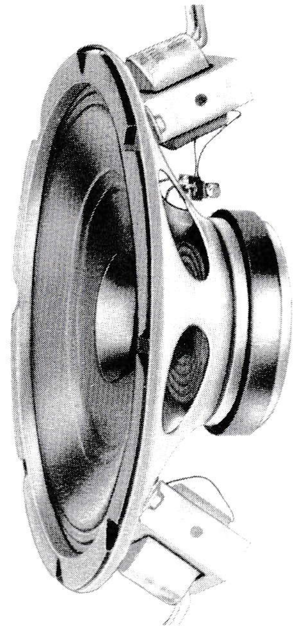
A World of Baffles and Enclosures

Soundolier is the *FIRST* manufacturer to introduce a line of Underwriters Laboratories Listed 8″ speakers mounted on UL listed baffles and used in conjunction with UL listed enclosures. These units have been tested in accordance with UL Requirements for Emergency Alarm Systems. It is important to remember that to maintain the UL listing, all components must be used together. (UL listed 8″ speaker/baffle assemblies plus UL listed enclosures.)

Today more sound jobs or fire evacuation systems are calling for UL approved speakers, baffles, and enclosures. Until now only a few UL listed horns and small alarm speakers were available. Today the designer can specify UL listed 8″ Soundolier speakers, baffles and enclosures. And all from one source . . . *SOUNDOLIER!!!*

Soundolier's baffle line represents an innovative approach to high quality workmanship and design. The range of baffles, and enclosures is most comprehensive. That's why Soundolier's UL listed line of speaker/baffle combinations assures you of a baffle style and color to suit your needs.



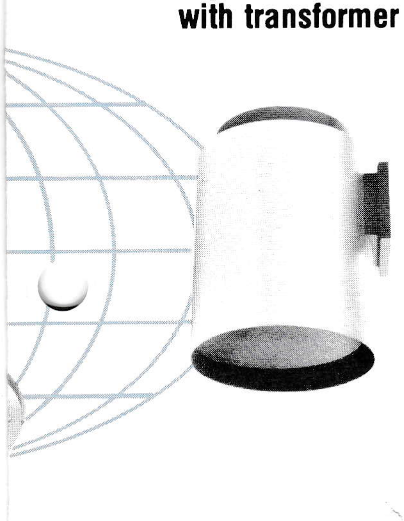


undolier

' CONE TYPE PACKAGES

Emergency Alarm Systems

- **Underwriters Laboratories Listed**
- **A choice of two high quality speakers with fire retardant and moisture repellant treatment**
- **Smooth frequency response, better intelligibility, minimal distortion**
- **Emergency Alarm and Background Music speaker in one package**
- **Wide range of speaker/baffle assemblies and enclosures to choose from. (Only UL listed enclosures and baffles are to be used)**
- **Completely assembled units ready to install for quick, easy installation**
- **High quality multi-tapped transformers designed to meet the most demanding specifications**
- **Available in 25 or 70.7 volt versions**
- **Single voice coil UH series has line supervision capacitor wired in series with transformer primary**



A Technological Breakthrough . . .

Soundolier's reputation for top-quality reliable products and service is well known. For over twenty years Soundolier has been a leading manufacturer and designer of quality commercial sound and electronic accessories. And now another technological breakthrough . . .

UL listed high quality fire retardant and moisture repellent 8″ cone type speaker/baffle assemblies and enclosures for emergency alarm and background music systems. This is a welcome development for the commercial sound industry. No other manufacturer can offer such a comprehensive line!

Soundolier offers a choice of two high quality 8″ speakers with a 10 ounce ceramic magnet. The UH series has a single voice coil with a 70.7 or 25 volt line transformer (specify voltage) and a line supervision capacitor. The UK series has a dual voice coil with two 70.7 or 25 volt line transformers installed. (Note: The UH and UK speaker assemblies are also available without transformers by special order only. Call Soundolier for details.) The superior performance of these high quality speaker assemblies permits their use as background music reproducers or for emergency alarm signals.

The UK and UH speakers are available on a variety of Soundolier baffles. Only speaker/baffle combination packages are available in order to comply with Underwriters' Laboratories listing requirements. In addition, UL listed enclosures *must* be used to mount speaker/baffle packages.

The pre-assembled packages are a bonus to you. Labor and material expense of assembling and repacking for the job site is reduced. Installation costs are further reduced through the use of conveniently stripped and tinned primary transformer leads and wire nuts are included with each package. Also, all components can be purchased from one source . . . Soundolier.

SPEAKER/BAFFLE COMBINATIONS

HOW TO ORDER: In order to comply with UL regulations, units must be ordered as packages with the desired speaker/transformer assembly mounted on the desired baffle. Using the Soundolier UL baffles listed at the bottom of this page, construct the package model number per the following examples:

SPEAKER MODEL NO.				BAFFLE MODEL NO.	
UH	T70	C	-	U	51-8
UL listed SINGLE voice coil speaker	Line transformer 70.7 volts (T25 for 25 volts)	Line supervision capacitor in series with transformer primary		UL listed baffle	Baffle model number

The **UHT70C-U51-8** consists of the single voice coil speaker with 70.7 volt line transformer and line supervision capacitor installed on a UL listed 51-8 baffle.

SPEAKER MODEL NO.					BAFFLE MODEL NO.	
UK	T25	-	2	-	U	T720-8
UL listed DUAL voice coil speaker	Line transformer 25 volts (T70 for 70.7 volts)		Two line transformers		UL listed baffle	Baffle model number

The **UKT25-2-UT720-8** consists of the dual voice coil speaker with two 25 volt transformers installed on a UL listed UT720-8 torsion mount baffle.

NOTE: ENCLOSURE MODELS LISTED BELOW MUST BE ORDERED SEPARATELY. ONLY SOUNDOLIER UL LISTED ENCLOSURES MAY BE USED.

UL LISTED BAFFLES AND ENCLOSURES

Please refer to Soundolier Condensed Catalog No. 106B for complete description of baffles and enclosures. Delete prefix "U" to find proper model number in Condensed Catalog. Speakers must be ordered installed on the desired baffle. *(See instructions above.)*

Baffle	Enclosure
UG22-8	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
U51-8	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
U60-8	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
U60-8W	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
UVP60-R	U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep.
U61-8W	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
U62-8	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
U63-8	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
UF64-8 (UL listed F64-8 has screen behind urethane grille)	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
U110-8	Not Required
U160-8 (AL, SWA, SWG)	U198-8, U198-8–5″ Deep
U161-8	U198-8, U198-8–5″ Deep, USE175-4
UVP161-R8	U193-8, U193-8–5″ Deep
U164-8	U191-78, U191-78–5″ Deep, UQ418, UQ434, UQ458, USM191-78
U165-8	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
U169-8	U193-8, U193-8–5″ Deep
U170-8	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
UF171-8 (UL listed F171-8 has screen behind urethane grille)	U198-8, U198-8–5″ Deep
U210-8	Not Required

Baffle	Enclosure
UM222	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
UM222W	U95-8, U95-8–5″ Deep, U95-8–7″ Deep, U95-8–10″ Deep, U96-8, U96-8–5″ Deep, U96-8–7″ Deep, U96-8–10″ Deep, UQ408, U199-8
U260-8	Not Required
U310-8	Not Required
U315-8	Not Required
U410-8	Not Required
UVP410-S	Not Required
U415-8	Not Required
U510-8	Not Required
UVP510-B	Not Required
U512-8	Not Required
U612-8	Not Required
TORSION MOUNT BAFFLES	
UT51-8	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UT60-8	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UT60-8W	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UT61-8W	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UT161-8	UT198-8, UT198-8–5″ Deep, USE175-4
UT164-8	UT191-78
UTM222	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UTM222W	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UT610-8W	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UT620-8	UT198-8, UT198-8–5″ Deep, USE175-4
UT710-8	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UT720-8	UT95-8, UT95-8–5″ Deep, UT95-8–7″ Deep, UT95-8–10″ Deep
UT730-8 (B, G)	UT195-8
8+ BAFFLES	
UX8409 (A, B, G, W)	Not Required
UX8414 (A, B, G, W)	Not Required
UX8500 (A, B, G, W)	Not Required
UX8609 (A, B, G, W)	Not Required
UX8614 (A, B, G, W)	Not Required

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NEW! 1/2 and 1 WATT UL LISTED

soundolier emergency alarm speakers

REQUIRE LESS AMPLIFIER POWER

FEATURES

- **Underwriters' Laboratories listed.**
- **Smoother frequency response, better intelligibility, minimal distortion.**
- **Rugged cast housings with steel screen to prevent speaker cone damage.**
- **Available in Red or White (special colors upon request).**
- **Completely enclosed electronics; No projection of components past housing.**
- **Completely assembled units, ready to install.**
- **Surface mounting provides one piece vandal resistant assembly.**
- **High quality, multi-tapped transformers; ½ and 1 or 2 and 4 watts per speaker.**
- **Available in both 25 and 70.7 volt versions.**
- **DC blocking capacitor in transformer primary.**
- **Unique and attractive bi-directional unit with cast mounting canopy which allows installation without disassembly (bi-directional audible signal device . . . the only one in the industry).**
- **Bi-directional units require fewer outlet boxes thereby reducing installatiion costs.**

Soundolier announces its comprehensive line of Audible Signal Devices for electronically amplified Life Safety or Fire Alarm systems.

Soundolier Audible Signal Devices faithfully reproduce electronically amplified emergency voice and tone signals. This superior reproductive quality assures intelligibility of voice commands employed to direct occupants to a safe portion of the building or to notify occupants to evacuate the building.

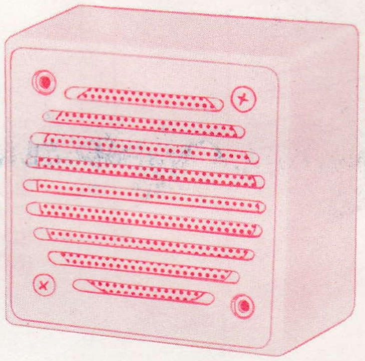
The devices are constructed of rugged die cast aluminum housings and are available in red or white baked enamel.

Soundolier makes available 3 different models. The L30 Series is for surface mounting, interior use. The L31 Series is for recessed mounting, interior use. The L32 Series is a bi-directional device and can be wall or ceiling mounted, interior use.

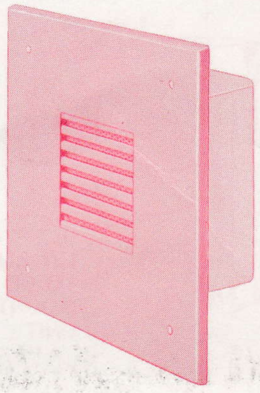
Soundolier Audible Signal Devices are available in 25 or 70.7 volts RMS, ½, 1, 2, and 4 watt continuous ratings for fire alarm signaling use. All Soundolier Audible Signal Devices are Underwriters' Laboratories listed for "Fire Protective Signaling Services" (UL464).

APPLICATIONS:

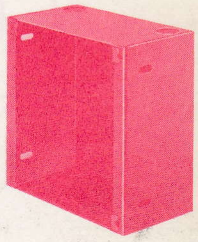
The Soundolier Emergency Alarm Speakers are ideally suited for high-rise buildings, manufacturing plants, large apartments and condominiums, schools and campus complexes. Other applications are in hotels, office buildings, hospitals, nursing homes, libraries, motels and public buildings of all types.



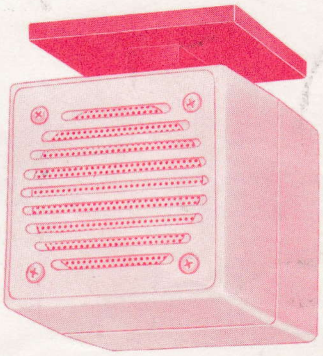
L30 SURFACE



L31 RECESSED



L31 SERIES ENCLOSURE



L32 BI-DIRECTIONAL

(THE ONLY
BI-DIRECTIONAL
IN THE INDUSTRY)

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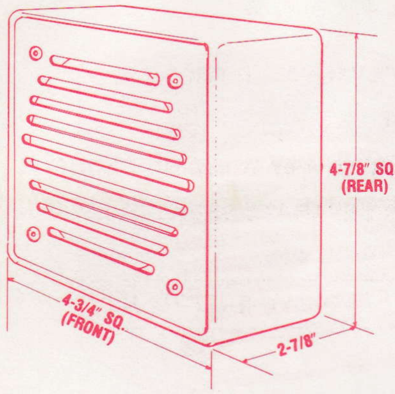
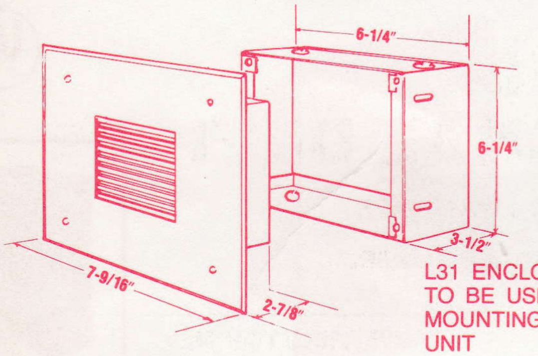
Soundolier Emergency Alarm Speakers

Specifications



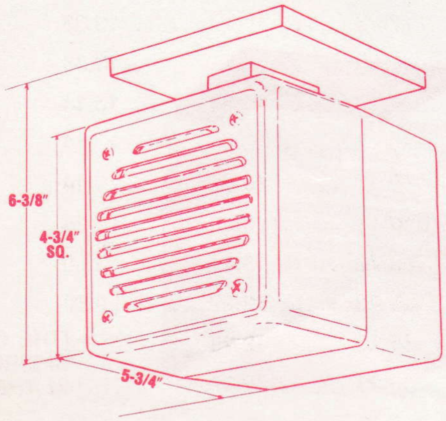
MOUNTS TO
STANDARD 4"
SQUARE EO BOX
(NOT INCLUDED)

L30 SERIES SURFACE



L31 ENCLOSURE
TO BE USED WHEN
MOUNTING RECESSED
UNIT

L31 SERIES RECESSED



MOUNTS TO
STANDARD
WALL BOX OR
4" OCTAGONAL
EO BOX

L32 SERIES BI-DIRECTIONAL

Soundolier Audible Signal Devices utilize components of the highest quality and workmanship. This unique combination has produced a quality sound reproducer which meets all specifications regarding emergency signaling devices as set forth in Underwriters' Laboratories "Standard for Safety" UL464.

SPEAKER SPECFICATIONS

Size:	4"
Magnet:	5 oz. ceramic.
Cone:	Fire retardant and moisture proof.
Freq. Response:	400-4000 HZ
Power Rating (RMS):	5 watts
Impedance:	8 ohm
Sensitivity:	85 db at 10 ft., 2 watts input power.

TRANSFORMER SPECIFICATIONS

Primary:	½,1 or 2,4 watt Multi-tap.
Secondary:	8 ohm
Insertion loss:	Less than 1 db.
Construction:	High grade ⅜" sq. core, varnish dipped windings.

WIRING CONNECTIONS

6" pigtail leads, color coded.

CAPACITOR

10 mfd @ 50 V	(25 volt models only)
4 mfd @ 150 V	(70.7 volt models only)

Suffix Model Number with "-A" for ½,1 watt version.

Model No.	Matched Line	Watts	Color	Mounting
L30-25R(-A)	25V RMS	2,4 (½,1)	Red	Surface
L30-25W(-A)	25V RMS	2,4 (½,1)	White	Surface
L30-70R(-A)	70.7V RMS	2,4 (½,1)	Red	Surface
L30-70W(-A)	70.7V RMS	2,4 (½,1)	White	Surface
L31-25R(-A)	25V RMS	2,4 (½,1)	Red	Recessed
L31-25W(-A)	25V RMS	2,4 (½,1)	White	Recessed
L31-70R(-A)	70.7V RMS	2,4 (½,1)	Red	Recessed
L31-70W(-A)	70.7V RMS	2,4 (½,1)	White	Recessed
***L31E**	Enclosure Only	Fits All L31 Series		
L32-25R(-A)	25V RMS (See Note)	4,8 (1,2)	Red	Bi-directional
L32-25W(-A)	25V RMS (See Note)	4,8 (1,2)	White	Bi-directional
L32-70R(-A)	70.7V RMS (See Note)	4,8 (1,2)	Red	Bi-directional
L32-70W(-A)	70.7V RMS (See Note)	4,8 (1,2)	White	Bi-directional

*Enclosure L31-E must be specified and ordered separately.

NOTE: The power handling capacity of the bi-directional unit is double that of the recessed and surface versions since it contains two speakers, two capacitors and two multi-tapped line transformers (½ and 1 or 2 and 4 watts each).

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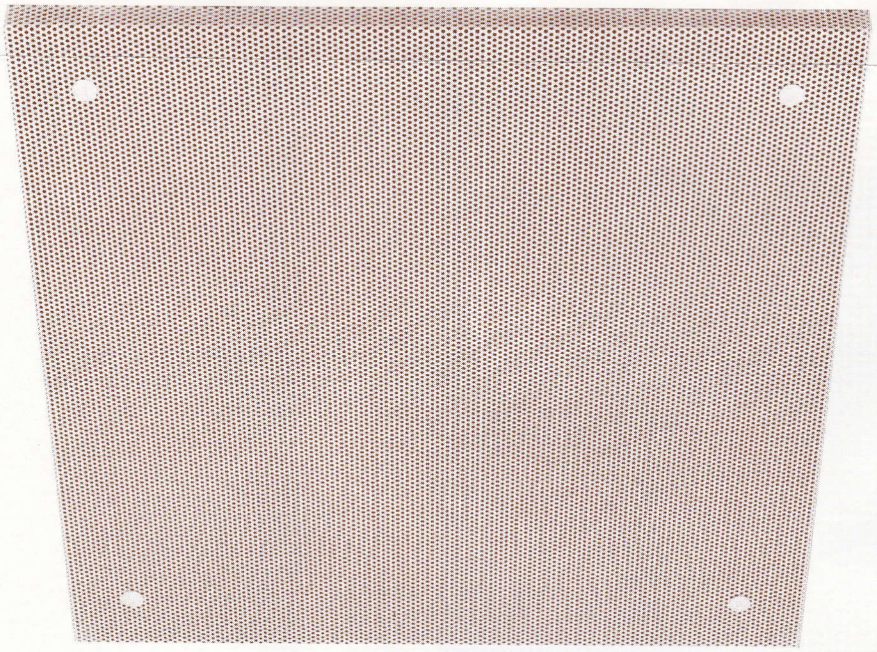
NEW

soundolier all perforated square grille



Model 19-8

FEATURES:

- Clean appearance afforded by all perforated front
- Available in torsion or screw mount versions
- Attractive white finish blends well with any building interior
- Rugged two piece construction with separate speaker subplate

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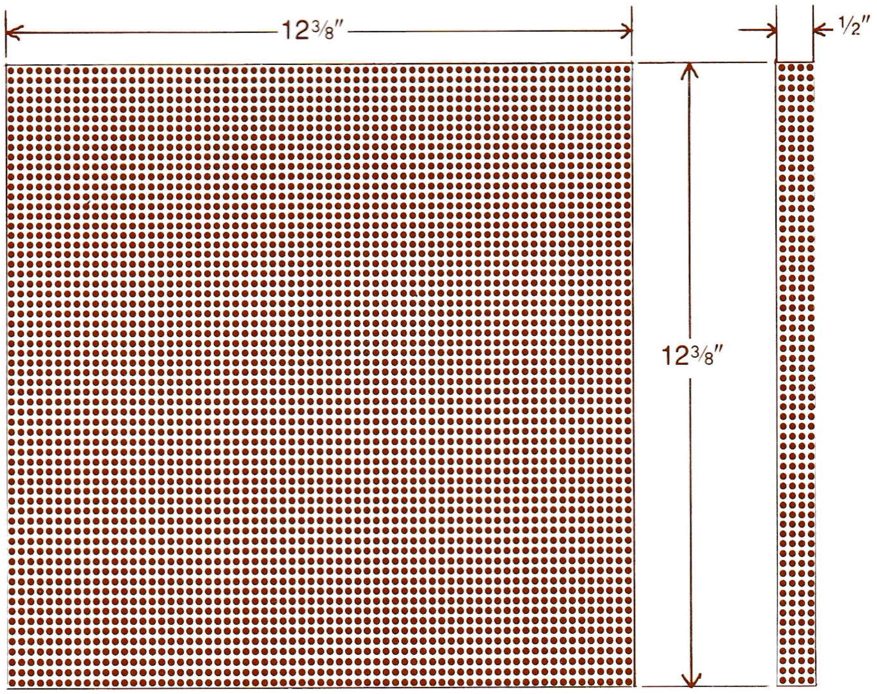
Model 19-8 – ALL PERFORATED SQUARE GRILLE

Soundolier expands its baffle line to include an attractive square, all perforated grille for 8″ speakers. The crisp, clean lines of model 19-8 blend well with any office decor. The complete baffle consists of the front grille plus a subplate to prevent bass "leaks". Four weld studs are provided on back of the subplate for mounting speaker. Heavy gauge cold rolled steel construction is used throughout for strength and is finished in a semi-gloss white baking enamel.

Model 19-8 is also available in a torsion spring version. Prefix model number with "T" when ordering torsion version. Example: T19-8.



Model	Speaker	Dimensions	Enclosure	Mounting Frame
19-8	8″	12⅜″ Sq. X ½″ Proj.	191-78, 191-78—5″ Deep SM191-78, Q418, Q438, Q458	71-8, 71-8E1, 71-8E2
T19-8	8″	12⅜″ Sq. X ½″ Proj.	T191-78, T191-78—5″ Deep	T71-8, T71-8E1, T71-8E2

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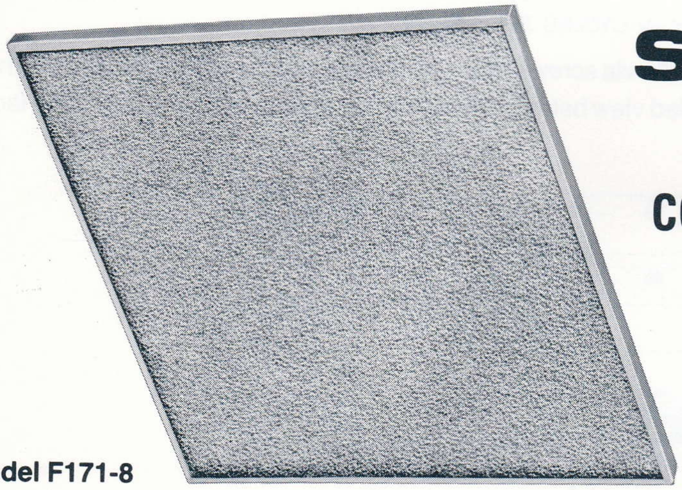
CONTEMPORARY BAFFLES WITH ACOUSTICAL FOAM

Model F64-8



Model F171-8

soundolier

IS PROUD TO INTRODUCE THIS NEW CONCEPT TO THE COMMERCIAL SOUND INDUSTRY

- ✓ HIGH GRILLE POROSITY ASSURES MAXIMUM SOUND ENERGY TRANSMISSION
- ✓ CONTEMPORARY STYLING COMPLEMENTS ANY INTERIOR DECOR
- ✓ URETHANE COVERINGS SNAP INTO POSITION AFTER GRILLE IS MOUNTED
- ✓ EACH BAFFLE HAS THE BENEFITS OF SOLID SCREW MOUNTING WITHOUT VISIBLE HARDWARE
- ✓ GRILLE COVERINGS ARE MADE OF A SPECIALLY TREATED RETICULATED POLYURETHANE MATERIAL WITH BUILT-IN RIGIDITY TO PREVENT SAGGING
- ✓ ATTRACTIVE WHITE FINISH BLENDS WELL WITH ALL CEILING COLORS

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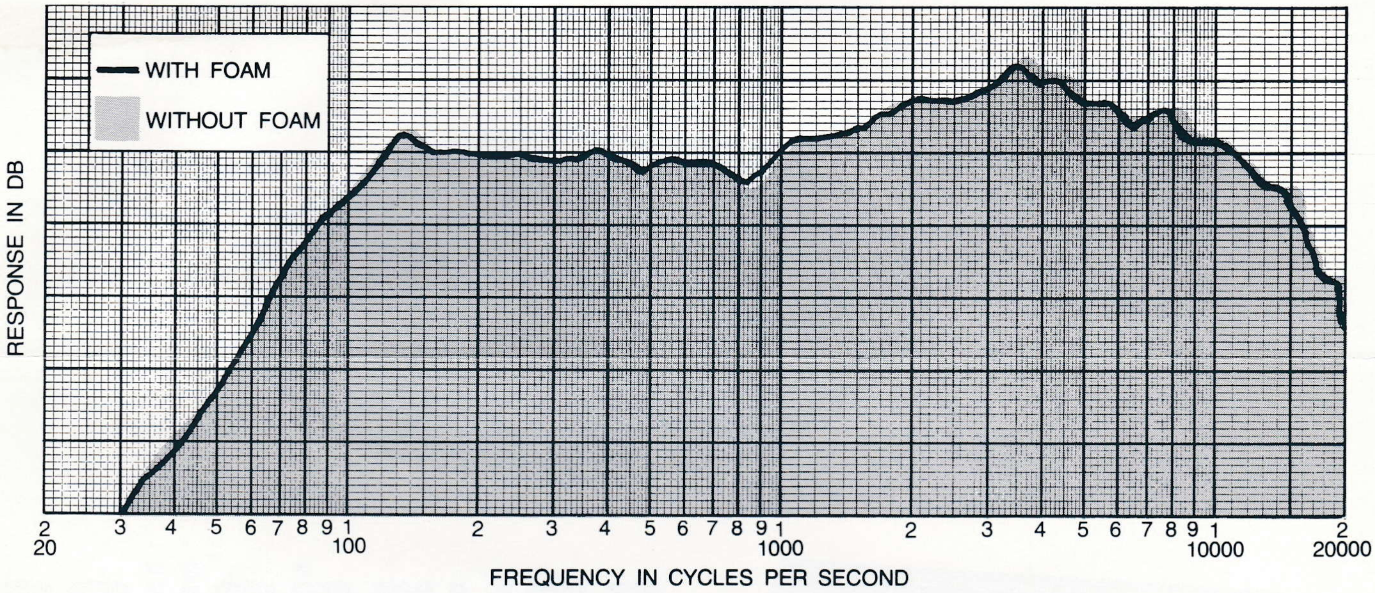
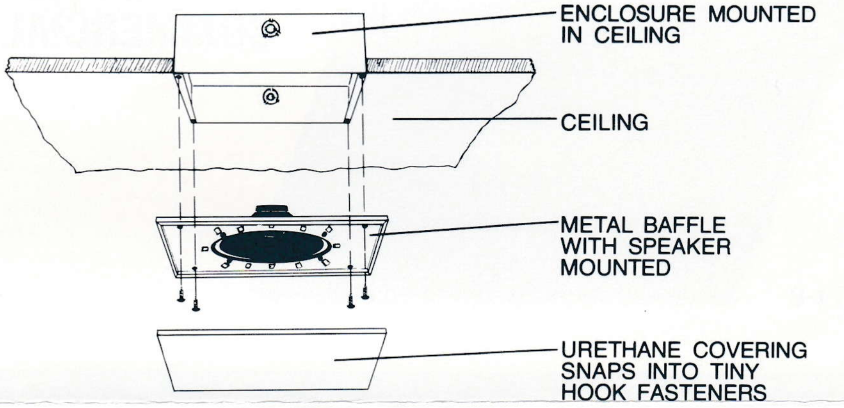
ACOUSTICAL FOAM BAFFLES

Soundolier Models F64-8 and F171-8 are round and square grilles respectively. They incorporate a unique and attractive reticulated polyurethane grille covering which enhances modern interior designs and exhibits exceptional acoustical properties. Comparison of sound pressure levels with and without foam in front of the speaker produced no perceptible differences in the audio spectrum from 20Hz through 20KHz. (See curves below.)



Installation is accomplished by mounting the metal baffle via screws to the enclosure and then snapping the urethane grille covering into the tiny hook fasteners (see exploded view below). A neat trim appearance is afforded by the lack of any visible hardware.


ENCLOSURE MOUNTED IN CEILING
CEILING
METAL BAFFLE WITH SPEAKER MOUNTED
URETHANE COVERING SNAPS INTO TINY HOOK FASTENERS

Model	Speaker Size	Dimensions	Mounts to Enclosure	Mounts to Mounting Ring
F64-8	8″	12⅞″ O.D.	95-8, 96-8 95-8 — 5″ Deep 96-8 — 5″ Deep 95-8 — 7″ Deep 96-8 — 7″ Deep 95-8 — 10″ Deep 96-8 — 10″ Deep 199-8, Q408	75-8, 76-8, P77-8, 75-8E1, 76-8E1, P78-8, 75-8E2, 76-8E2, 81-8
F171-8	8″	12″ SQ.	198-8 198-8 — 5″ Deep	72-8, 72-8E1, 72-8E2

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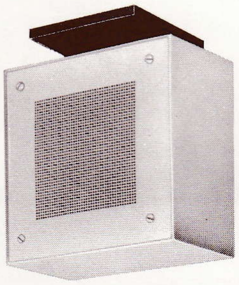
TWO NEW BAFFLE SERIES

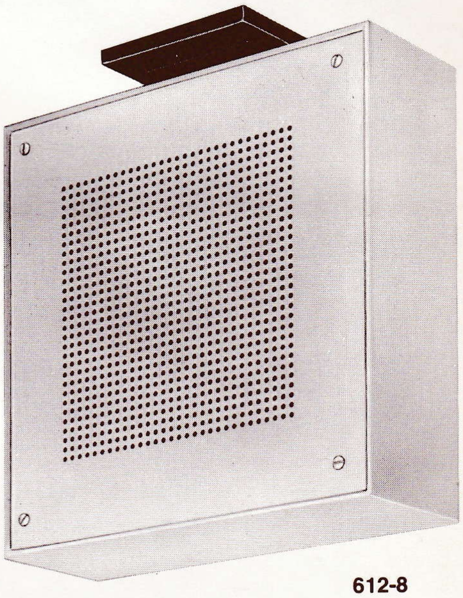
FROM

soundolier

SQUARE BI-DIRECTIONAL FOR 4″ & 8″ SPEAKERS



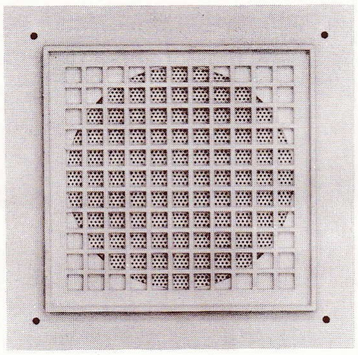
612-4



612-8

Soundolier now offers square bi-directional corridor baffles for 4″ and 8″ speakers. Models 612-4 and 612-8 are attractive units manufactured of heavy gauge cold rolled steel and are designed to mount to a standard electrical outlet box via Soundolier's unique two piece cast mounting canopy. The crisp lines of these baffles will enhance the decor of any building interior where design is an important criteria. Standard finish is white semi-gloss baking enamel with contrasting black mounting canopy.

Model	Speaker Size	Dimensions
612-4	4″	7⅛″ Sq. x 4¾″ Deep x 8⅜″ Proj.
612-8	8″	11⅝″ Sq. x 4½″ Deep x 12⅞″ Proj.



VP161 Series

SQUARE RECESSED VANDAL PROOF

Soundolier's expanding line of vandal-proof baffles now includes a rugged die-cast square model. Series VP161 is manufactured of a special self-aging aluminum alloy which has a high tensile strength of 44,000 P.S.I. — twice that of conventional aluminum castings. In addition, each unit is backed up with a heavy gauge cold rolled steel perforated screen to protect the speaker from vandal damage. Each unit includes **tamper-proof** hardware to prevent unauthorized entry to the baffle interior. Standard finish is textured white baking enamel.

Model	Speaker	Dimensions	Enclosure	Mounting Ring
VP161-R4	4″ Cone Type	10¾″ Sq. x ¾″ Proj.	193-8, 193-8—5″ Deep	73-8, 73-8E1, 73-8E2
VP161-R8	8″ Cone Type	10¾″ Sq. x ¾″ Proj.	193-8, 193-8—5″ Deep	73-8, 73-8E1, 73-8E2
VP161-MM2F	University MM2F Horn	10¾″ Sq. x ¾″ Proj.	193-8—5″ Deep	73-8, 73-8E1, 73-8E2
VP161-PA12F	EV PA12F Horn	10¾″ Sq. x ¾″ Proj.	193-8—5″ Deep	73-8, 73-8E1, 73-8E2
VP161-APF	Atlas APF-15 Horn	10¾″ Sq. x ¾″ Proj.	193-8—5″ Deep	73-8, 73-8E1, 73-8E2
	Atlas APF-15T Horn*	10¾″ Sq. x ¾″ Proj.	L20-211	73-8, 73-8E1, 73-8E2

*Note: The L20-211 must be used when mounting an Atlas APF-15T horn with enclosed line transformer.

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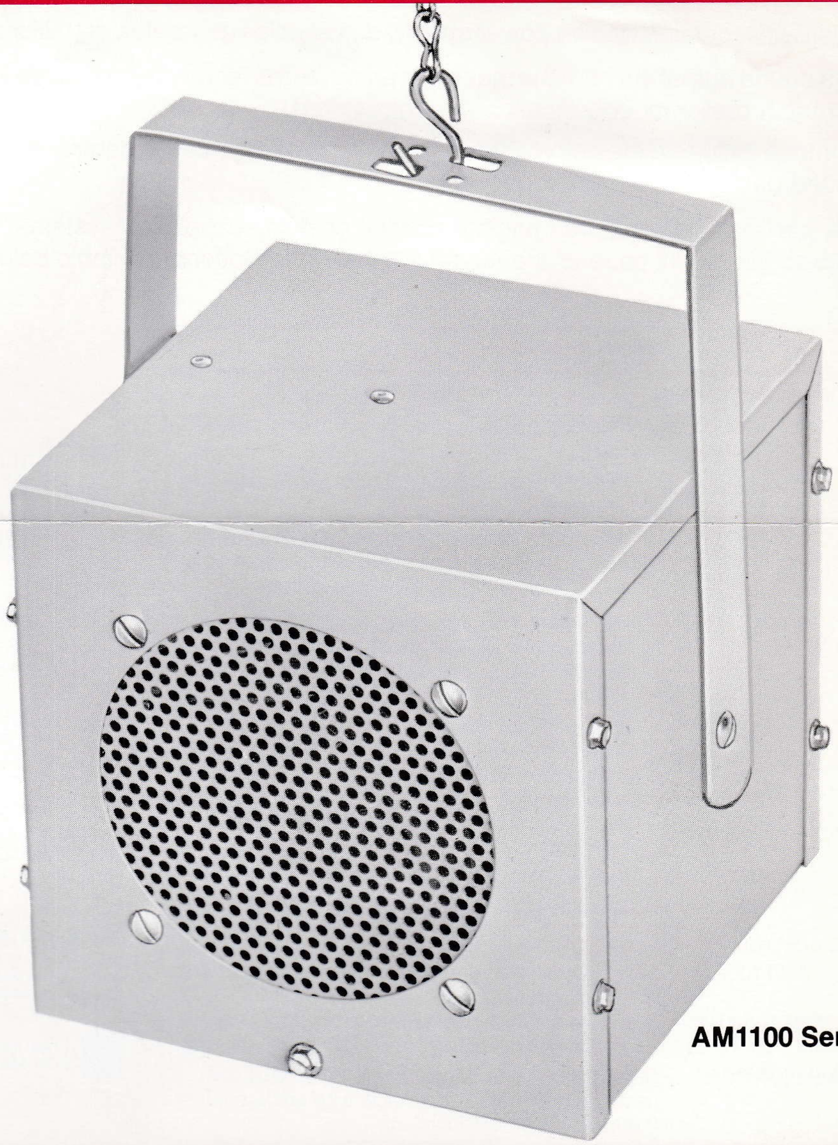
A Self-Contained Audio Masking System... (for ceiling plenums)...by soundolier

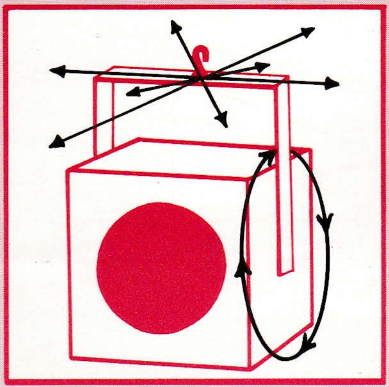
Features...

- BUILT-IN DIGITAL PINK NOISE SOURCE
- BUILT-IN IC AMPLIFIER (2 WATTS OUTPUT)
- BUILT-IN POWER SUPPLY 117 VAC, 60 HZ (OTHER VOLTAGES ON REQUEST)
- STEPPED ATTENUATION
- TWO ADJUSTABLE LOW PASS ACTIVE SHAPING FILTERS
- LATEST CMOS INTEGRATED CIRCUITRY
- POWER SWITCH
- OPTIONAL PAGING AND BACKGROUND MUSIC INPUT
- OPTIONAL RIGID SUSPENSION SYSTEM
- OPTIONAL CONDUIT CONNECTION



AM1100 Series

THE MASKER™



with Unique...

ONE-POINT SUSPENSION SYSTEM...

ALLOWS EASY DIRECTIONAL ADJUSTMENT OF SPEAKER AFTER INSTALLATION.

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TWX 910-761-1650

THE MASKER™ AM1100 Series

The Masker Model AM1100 is a compact audio masking unit for installation in ceiling plenums. It is completely self-contained in a six inch metal cube enclosure with unique one point suspension allowing full 360° positioning of speaker system. Each unit contains its own power supply, digital noise generator, amplifier and 4 inch, 5 oz. ceramic magnet speaker.

The sound output curve of the masker is preset at the factory per the curve in Figure 1. In addition, Soundolier can preset units to match customer specifications when required.

Controls include a master volume control, stepped attenuation control and two low pass filters which allow adjustment of the sound output curve. (see Figure 2)

If a particular job requires paging, conduit or rigid suspension systems, these are all available as options by adding the appropriate suffix code to the model number (see Options Available below).

OPTIONS AVAILABLE

Option Suffix Code	Description
-L	This option includes AC line cord with molded plug.
-H	This option includes 4 ft. chain suspension with "S" hooks.
-P	This option includes an auxiliary paging and background music input with pot to adjust input level. (Factory set for 70 Volt audio line.)
-C	This option includes a ½" conduit connector installed on the Masker with 6 ft. of UL approved electrical wire to use as hookup to the power source.
-R1	This option includes a rigid pipe 1 ft. long in place of the chain as a means of suspension. It is suggested that this option be used whenever flexible conduit is used. Otherwise, the weight of the flexible conduit may deflect the Masker in its suspension.
-R2	Same as above but with 2 ft. pipe.
-R3	Same as above but with 3 ft. pipe.

***Model Number Examples:**

AM1100-LH — Standard unit with one point chain suspension and line cord with plug.

AM1100-LHP — Standard unit with paging/background-music input, one point chain suspension and line cord with plug.

AM1100-PCR2 — Standard unit with paging input, ½" conduit connector with 6 ft. of UL electrical wire and a rigid 2 ft. pipe suspension system.

***Note: You must specify suspension system and power connection desired.**

SPECIFICATIONS

Power Requirements: 117 VAC, 60 Hz (Other voltages available on special request.)

Pink Noise Generator Section: IC type, digital operation.

Amplifier Section: IC type, 2 Watts output.

Power Supply Section: Transformer powered, IC electronic regulator with resettable circuit breaker (E).

Controls: (See Figure 2 for location.)

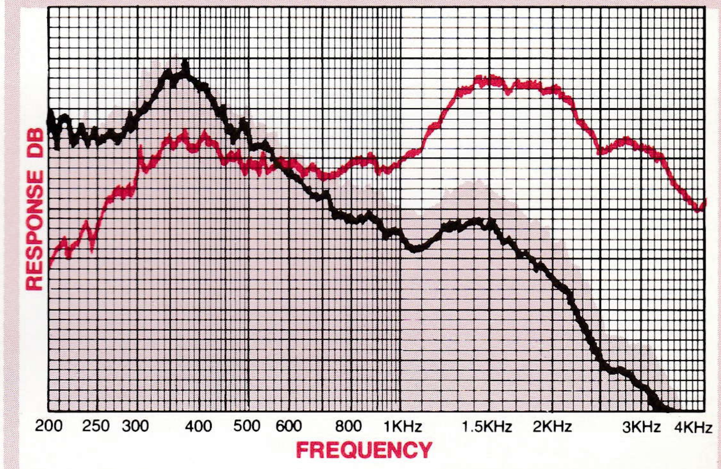
- (A) Power switch.
- (B) Stepped attenuator with knob adjust (1½ db per step).
- (C) Master volume control with screwdriver adjust (controls overall volume to the stepped attenuator).
- (D) Two low pass filters with screwdriver adjust for sound output wave shaping.

Speaker: 4 inch, 5 oz. ceramic magnet.

Curve Shape: Preset per the curve in Figure 1. Other curve shapes available per customer specifications.

Frequency Response: 200-4000 Hz

1/3 OCTAVE ACOUSTICAL RESPONSE OF THE MASKER



Test run at 90db broadband SPL, microphone 6″ from speaker.

🟥 LOW PASS FILTERS ADJUSTED FOR MINIMUM EFFECT

▨ STANDARD FACTORY SETTING

⬛ LOW PASS FILTERS ADJUSTED FOR MAXIMUM EFFECT

Figure 1.

CONTROL PANEL OF MODEL AM1100

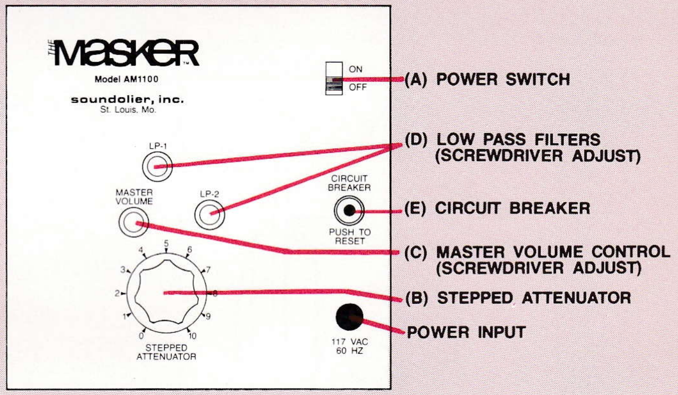


Figure 2.

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TWX 910-761-1650

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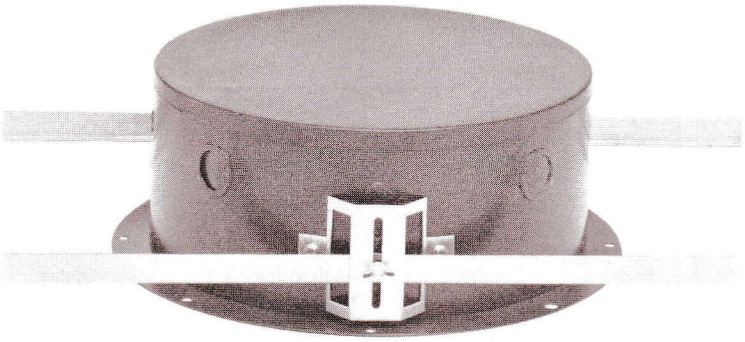
4″ and 8″ EZ MOUNT ENCLOSURE SYSTEM

EZ96-4
EZ96-4X
EZE49
EZE410
/
EZ95-8
EZ195-8
EZ96-8

soundolier®



Save time and money with Soundolier's new 4″ and 8″ EZ Mount Enclosure System. Designed for suspended ceiling installations. These labor saving enclosures have premounted brackets and install quickly with wingnuts to support rails provided. No costly tile bridge or time consuming screw mounting is necessary.

The EZ Mount Enclosure System is available on our most popular 4″ and 8″ round enclosures. For your convenience, these EZ Mount versions will accommodate the same wide selection of baffles to meet your specifications and to provide inventory flexibility (see chart on back).

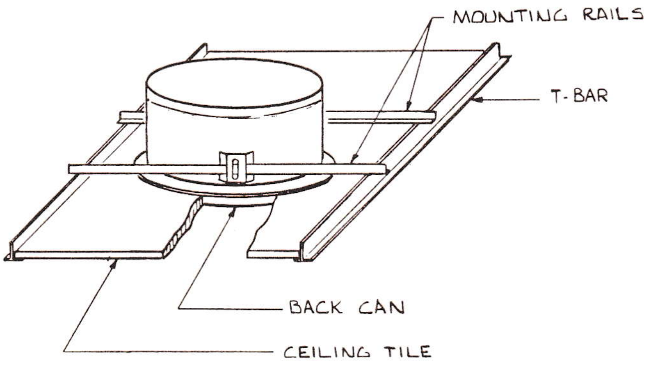
Enclosures are welded, heavy gauge steel, treated with a rust preventive coating. In addition, enclosures are undercoated to prevent mechanical and acoustic resonance. Support rails are manufactured of heavy gauge steel and finished in a galvenized coating.

Note: For suspended ceiling installations which do not require enclosure protection, the EZ Mount system is available on a series of preassembled 8″ baffle/speaker packages. For information, request SL1275.

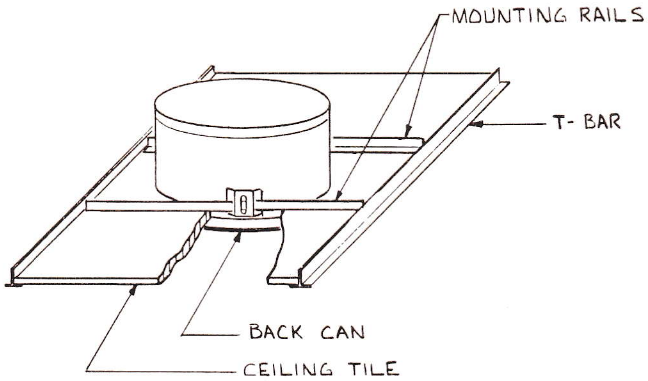
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Enclosure for suspended ceiling installations shall be Soundolier model_______________. Enclosure shall incorporate the EZ Mount Support System which shall be capable of transferring the composite weight of the speaker, baffle and enclosure to the ceiling support rails.

INSTALLATION



ALL MODELS (EXCEPT EZ95-8)
Installation with Mounting Rails supported on T-Bar.



EZ95-8 ONLY
Installation with Mounting Rails supported on ceiling Tile.

SL 1324
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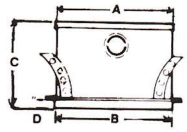
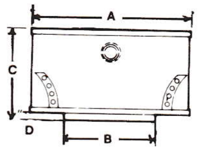
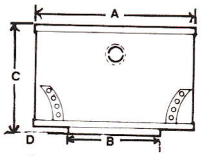
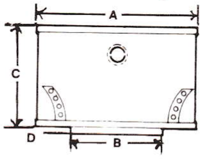
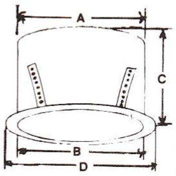
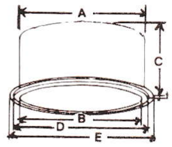
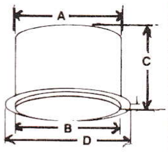
	MODEL	DESCRIPTION	DIMENSIONS					MOUNTS BAFFLE MODEL
			A	B	C	D	E	
	**EZ96-4**	4″ Screw Mount	6 3/16″ (157mm)	6 3/16″ (157mm)	4¼″ (108mm)	½″ (13mm)	—	51-4, 60-4
	**EZ96-4X**	4″ Screw Mount	10″ (254mm)	6 3/16″ (157mm)	6″ (152mm)	½″ (13mm)	—	51-4, 60-4
	**EZE49**	4″ Torsion Mount	10″ (254mm)	6⅜″ (162mm)	6½″ (165mm)	½″ (13mm)	—	T730-4
	**EZE410**	4″ Torsion Mount	10″ (254mm)	6⅜″ (162mm)	6½″ (165mm)	½″ (13mm)	—	T51-4, T60-4 T710-4, T720-4
	**EZ95-8**	8″ Screw Mount and Torsion Mount	10⅛″ (257mm)	9⅞″ (251mm)	4¼″ (108mm)	11¾″ (298mm)	—	12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, G22-8, M222, M222-W, P900, VP60R, T51-8, T60-8, T61-8, T610-8, T710-8, T720-8, TM222, TM222-W.
	**EZ96-8**	8″ Screw Mount	11 15/16″ (303mm)	10¾″ (273mm)	4¼″ (108mm)	11 15/16″ (303mm)	13 1/16″ (332mm)	G22-8, 51-8, 60-8, VP60-R, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, M222, M222W, P900
	**EZ195-8**	8″ Torsion Mount	10⅛″ (257mm)	9⅞″ (251mm)	6⅛″ (156mm)	11¾″ (298mm)	—	T730-8

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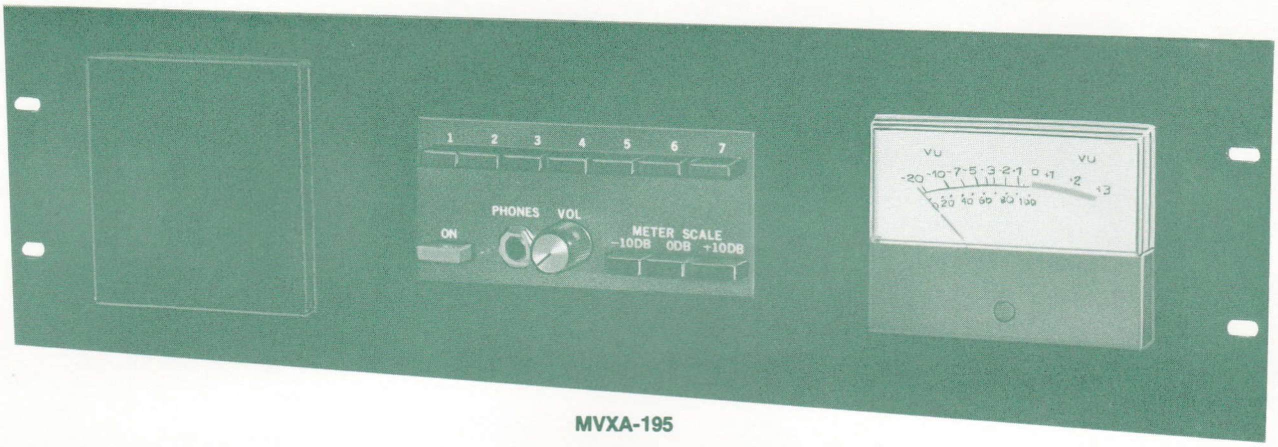
AMPLIFIED MONITOR PANEL

MODEL MVXA-195

soundolier®



MVXA-195

The MVXA-195 Amplified Monitor Panel provides aural and visual monitoring of the most common types of signal sources present in most sound systems; 70.7 volt, 25 volt, 600 ohm and high level (HiZ) sources. This unit will handle up to seven inputs selectable with an interlocking pushswitch bank. A built-in attenuator allows adjustment of the signal being monitored. Three switchable meter ranges provide accurate monitoring of wide level variations of input signal sources. Unit includes a high compliance 4″(102mm) speaker with 10 oz. ceramic magnet. Headphone monitoring is accomplished by utilizing the built-in headphone jack which automatically disconnects speaker. An external speaker may be connected via terminals located on rear of chassis.

The amplifier is a high quality IC providing 2 watts RMS into an 8 ohm load. Power can be supplied with optional plug in power supply (model PS18A) providing 18 VAC or with available 24VDC from other equipment sources. Power switch is included.

Unit is assembled and mounted to a 16 ga. CRS 19″(483mm) EIA panel with 5¼″(133mm) of panel space. Standard finish is a black semi-gloss baking enamel (color #05). Other colors are available.

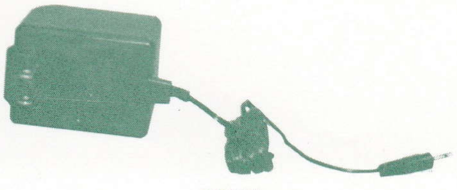
SPECIFICATIONS

MVXA-195

Number of Inputs: Seven (7)
Type of Inputs: 70.7 volt, 25 volt, 600 ohm or HiZ
V.U. Meter: Switchable sensitivity of -10db, 0db, +10db.
Amplifier: IC, 2 watts into 8 ohms
Speaker: 4″(102mm) High Compliance
10 oz. Ceramic Magnet
60 Hz to 18 KHz Freq. Response
8 ohms Impedance
93db SPL at 4′(1219mm) Sensitivity (1 Watt in)
Power Requirements: 24 VDC 400 ma max.
18 VAC (Use PS18A power supply)
Weight: 5 lb.
Dimensions: 5¼″(133mm)H (Panel Space) x 19″(483mm)W x 4″(102mm)D
Finish: Black Semi-gloss unless otherwise specified

PS18A Power Supply (Optional)

Input Voltage: 117 VAC, 60 Hz
Output Voltage: 18 VAC
Type: Wall plug-in transformer



PS18A

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Monitor Panel shall be Soundolier Model MVXA-195 or approved equal. It shall contain integral 2 watt audio amplifier, high compliance 4″(102mm) speaker with 10 oz. ceramic magnet, headphone jack, VU meter with selectable sensitivity levels of -10db, 0db and +10db. Unit shall be capable of handling seven (7) different input signals from 70.7 volt, 25 volt, 600 ohm or HiZ sources. An integral volume control shall provide total adjustability of signal strength being monitored.

Unit shall be assembled to a standard 19″(483mm) EIA panel of 5¼″(133mm) panel space. Finish shall be black semi-gloss (or other specified color) baking enamel. Power shall be supplied with available 24 VDC or 18 VAC (use Soundolier PS18A or approved equal).

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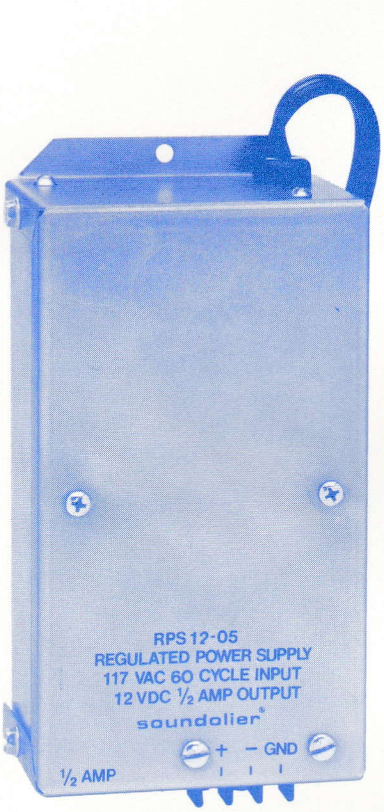
Regulated
DC POWER SUPPLY

ELECTRONIC ACCESSORIES / RPS24-05 RPS12-05

soundolier®



Model RPS24-05 is a regulated power supply with a voltage output of 24 volts at 500 milliamps. Compact, lightweight unit is ideally suited to the telecommunications industry for small telephone systems, intercom and annunciator applications.

The change in output voltage is less than 500 millivolts from no load to full load. Ripple is less than .5 millivolts at full load. Unit incorporates a heat-sinked 7800 series integrated circuit voltage regulator to provide compact and efficient regulation.

Unit is protected by two fuses. One is located on the primary side of the transformer to guard against excessive line currents. The second is a fast acting fuse located at the output to protect the regulator from shorted loads. Rectifier bridge utilizes silicon diodes and is rated at one amp. Unit is complete with barrier strip output terminals and six foot line cord.

Model RPS12-05 is the same as the RPS24-05 but uses 25 watts and delivers 12 VDC at 500 milliamps. Unit is ideally suited for the life safety industry for alarm and security systems or for any application where a 12 VDC power supply with excellent regulation and low ripple is required.

SPECIFICATIONS

MODEL	RPS24-05	RPS12-05
Input Power	117 VAC, 60 cycles, 36 watts	117 VAC, 60 cycles, 25 watts
Output Power	24 VDC at .5 amp	12 VDC at .5 amp
Regulation (no load to full load)	500 mv	500 mv
Ripple (at full load)	.5 mv	.5 v
Size	6¾"(171mm) x 3⅝"(92mm) x 2"(51mm)	6¾"(171mm) x 3⅝"(92mm) x 2"(51mm)
Shipping Weight	3 lbs. (1.4 Kg.)	3 lbs. (1.4 Kg.)
Finish	Zinc plated with gold irridescent finish	Zinc plated with gold irridescent finish

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS
RPS24-05, RPS12-05

The Power Supply shall be Soundolier Model (RPS24-05, RPS12-05) regulated DC supply or approved equal. Voltage output shall be (24VDC, 12VDC) at 500 milliamps. The change in output voltage shall be less than 500 millivolts from no load to full load, and ripple shall be less than .5 millivolts at full load. Supply shall incorporate a 7800 series integrated circuit voltage regulator and shall be protected by input and output fuses. Rectifier bridge shall be rated at one amp and shall utilize silicon diodes.

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Binder Sec. 6
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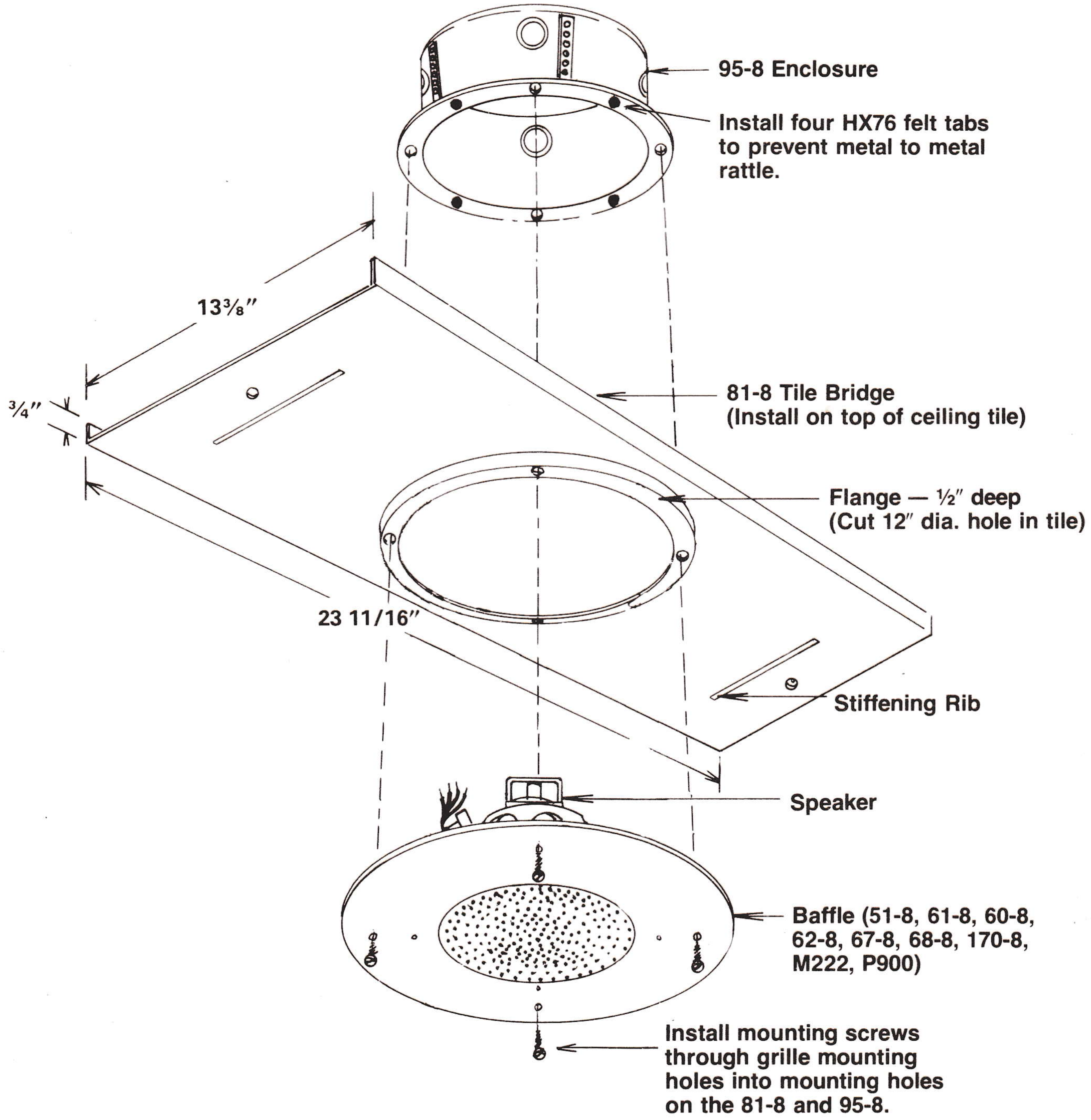
FOR YOUR INFORMATION:

INSTALLING 95-8 ENCLOSURE TO 81-8 TILE BRIDGE

Some sound installations may require a back box for the speaker. When this is required you can still use the 81-8 tile bridge by simply installing a 95-8 enclosure within the mounting flange of the tile bridge.

Follow the exploded detail below.


95-8 Enclosure
Install four HX76 felt tabs to prevent metal to metal rattle.
13⅜″
¾″
81-8 Tile Bridge (Install on top of ceiling tile)
Flange — ½″ deep (Cut 12″ dia. hole in tile)
23 11/16″
Stiffening Rib
Speaker
Baffle (51-8, 61-8, 60-8, 62-8, 67-8, 68-8, 170-8, M222, P900)
Install mounting screws through grille mounting holes into mounting holes on the 81-8 and 95-8.

SL 1166

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New
SPEAKERS
and
LARGER QUANTITY
SPEAKER DISCOUNTS

soundolier, inc.
9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870
TWX 910-761-1650

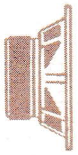
Soundolier's 4-inch and 8-inch loudspeaker and transformer assemblies are designed for a wide variety of sound systems.

Our speakers are ideal for quality public address and background music installations.

Now Soundolier expands its speaker line to include three new models.

New Speaker Models

Model Number	Description
C5W	8-inch, 5 oz. ceramic magnet with whizzer
C5WT25	C5W with 25 volt line transformer
C5WT70	C5W with 70.7 volt line transformer
C10LW	8-inch, 10 oz. ceramic magnet without whizzer
C10LWT25	C10LW with 25 volt line transformer
C10LWT70	C10LW with 70.7 volt line transformer
FC54	4-inch, 5 oz. ceramic magnet, treated edge cone
FC54T25	FC54 with 25 volt line transformer
FC54T70	FC54 with 70.7 volt line transformer



See enclosed sheet number SL1200 for standard prices on new models C5W, C10LW, and FC54.

New Extended Bulk Speaker Prices

On enclosed sheet number SL1198 you will find EXTENDED BULK SPEAKER PRICES for Soundolier's complete range of speakers in quantities of 750 and up. Check these prices and you will find that it is definitely a price advantage for you. The extended bulk speaker prices are F.O.B., St. Louis, Missouri.

Please consult specification sheets on Soundolier's speakers for more details on our speaker line.

soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

DISTRIBUTOR NET
PRICE LIST
January, 1980

CTS series
COMMON TALK / SELECTIVE RING INTERCOMS and ACCESSORIES

Freight Policy C. F.O.B. St. Louis, Mo. Prices shown are distributor net. No further discounts apply.

INTERCOMS

			DISTRIBUTOR NET	
Model No.	List	Dealer Net	**1-11**	**12 & Up**
CTS-6 (7 stations)	102.80	61.68	**41.12**	**34.33**
CTS-12 (13 stations)	124.55	74.73	**49.82**	**41.58**

POWER SUPPLY

Model No.	List	Dealer Net	**1-11**	**12 & Up**
TS242	105.78	63.47	**42.31**	**35.34**

PAGING ADAPTER

Model No.	List	Dealer Net	**1-11**	**12 & Up**
PAG-1	95.20	57.12	**38.08**	**31.79**

SL 1234
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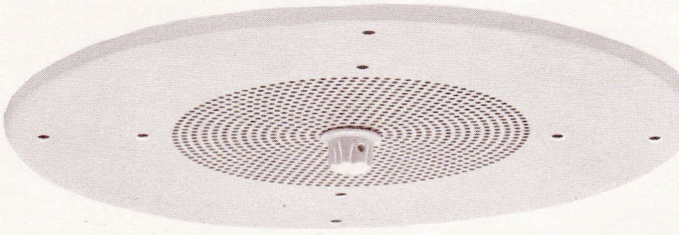
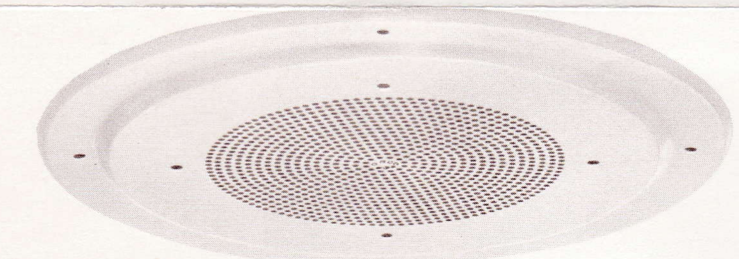
PRE-ASSEMBLED BAFFLE/SPEAKER/TRANSFORMER

SV SERIES



SV1-7K (2K)



SV3-7S (2S)

SV5-7K (2K)

soundolier, inc.

The SV series consists of a recessed trim ring, wide range ceramic speaker, transformer, and a quality volume control—all pre-assembled, wired, and ready to install. Five popular grilles are available for your selection. The speaker is a high quality 8″ unit with a 5 ounce ceramic magnet and exhibits a wide frequency response and low distortion. The pre-assembled transformer has a large ⅝″ x ⅝″ core and four power taps to 5 watts. The SV series may be ordered in a 70.7 volt or 25 volt version. The volume control is a quality 50 ohm potentiometer with a 5 watt audio rating. It is mounted to the grille and wired to the speaker voice coil. Available with an attractive white knob or in the screw-driver adjust type. See below for model numbers and combinations available.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle, speaker, transformer, and volume control package shall be a Soundolier SV __________ or approved equal. The trim ring shall be a Soundolier Model __________ (51-8, 60-8, M222, M222W, P900). The speaker shall be an 8 inch cone type with a 5 ounce ceramic magnet. The frequency response shall be 30-15,000 Hz with a sensitivity on axis of 96 db. The voice coil diameter shall be ¾″ with an 8 ohm impedance. Power handling capabilities shall be 15 watt program. The transformer shall be a ⅝″ x ⅝″ core, 5 watt unit with four primary taps, ½ watt, 1 watt, 2 watts, and 5 watts. The transformer voltage shall be 70.7 volts (25 volts). The volume control shall be a 50 ohm potentiometer with a 5 watt audio rating. The volume control shall be wired to the speaker voice coil and shall be available with a white knob or in the screw-driver adjust type.

SPEAKER

Size — 8″
Magnet Weight — 5.0 oz.
Magnet Material — Ceramic
V.C. Diameter — ¾″
V.C. Impedance — 8 ohms
Flux Density — 9200
Sensitivity — 96 db
Watts (PROGRAM) — 15
Freq. Response — 30-15KHz
Max Diameter — 8⅛″
Depth — 2-11/16″

TRANSFORMER

Primary Volts — 70.7(25*)
Secondary — 8 ohms
Core Size — ⅝″ x ⅝″
Taps — C, ½, 1, 2, 5
Power — 5 watts
Leads — Color coded, stripped & tinned
**Specify voltage when ordering.*

50 ohm potentiometer mounted in center of trim ring. Pre-wired to speaker voice coil. Includes white knob.			50 ohm potentiometer recessed behind trim ring. Screw driver adjust through access hole.	
Model No.	Transformer	Grille Description	Transformer	Model No.
SV1-7K	70.7 V	Model 51-8 steel with baked white enamel finish.	70.7 V	SV1-7S
SV1-2K	25 V		25 V	SV1-2S
SV2-7K	70.7 V	Model 60-8 satin aluminum.	70.7 V	SV2-7S
SV2-2K	25 V		25 V	SV2-2S
SV3-7K	70.7 V	Model M222, satin aluminum.	70.7 V	SV3-7S
SV3-2K	25 V		25 V	SV3-2S
SV4-7K	70.7 V	Model M222W, aluminum with baked white enamel finish.	70.7 V	SV4-7S
SV4-2K	25 V		25 V	SV4-2S
SV5-7K	70.7 V	Model P900, white polystyrene.	70.7 V	SV5-7S
SV5-2K	25 V		25 V	SV5-2S

SL 1171A
Supersedes SL1171
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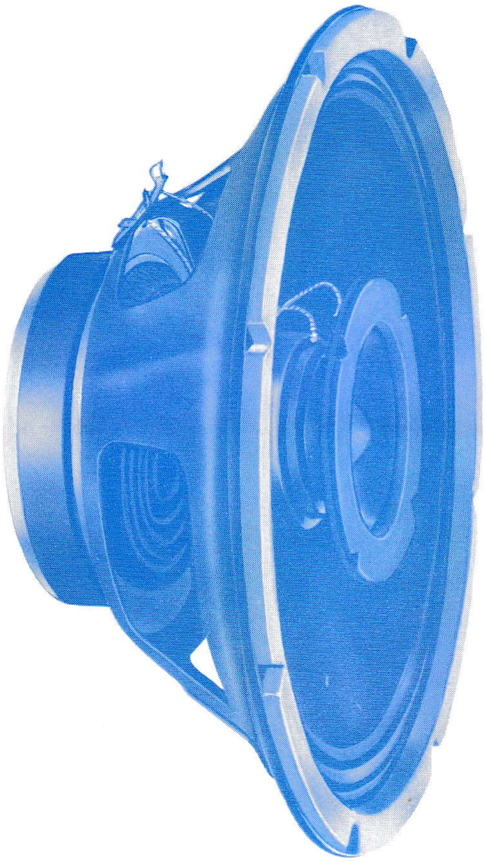
TWX 910-761-1650

C123 COAXIAL LOUDSPEAKER

C123
C123-T87 C123-T70
C123-T82 C123-T25
C123-T47
C123-T42

soundolier, inc.



Speaker Size:	LF Reproducer 12″(305mm) HF Reproducer 3″(76mm)
Freq. Response:	30 Hz to 18 KHZ
Magnet Weight:	LF Reproducer 32 oz.(908g.) ceramic HF Reproducer 5.0 oz.(142g.) ceramic
Impedance:	8 ohms
Power Rating:	30 watts rms
Voice Coil dia.:	LF Reproducer 1½″(38mm) HF Reproducer ¾″(19mm)
Sensitivity	98 db at 4 ft.(1219mm), 1 watt input
Resonance:	45 Hz
Dispersion Angle:	120°
Crossover:	2 KHz LF Reproducer — LC network, 6 db per octave HF Reproducer — capacitor, 3 db per octave
Flux Density:	LF Reproducer 10,500 Gauss HF Reproducer 8,700 Gauss
Depth:	5″(127mm) (Less Transformer)

GENERAL DESCRIPTION

The Soundolier Model C123 is a full range 12″(305mm) coaxial loudspeaker ideal for high quality background and foreground music systems as well as public address systems for civic auditoriums, convention centers, theatres, etc. This loudspeaker combines a 12″(305mm) low frequency reproducer and a 3″(76mm) high frequency post mounted reproducer. A built in crossover network determines proper frequency selection between the two reproducers.

The low frequency reproducer has a 2 pound(908 G.) ceramic magnet, while the high frequency reproducer has a 5 ounce (142 G.) ceramic magnet. Permanently aligned voice coils assure distortion free operation.

The Model C123 has a very wide distribution angle over a wide frequency range making uniform sound pressure level easily attainable in an installation.

Soundolier offers the model C123 with a selection of factory-mounted and wired constant voltage line matching transformers. The chart below will assist you in making your selection of speaker/transformer assemblies. Details and specifications on the transformer models are contained on a separate specification sheet.

C123 SPEAKER/TRANSFORMER COMBINATIONS AVAILABLE:

Model No.	Uses Trans. Model	Transformer Primary Voltage	Transformer Max. Power	Transformer Frequency Response	Insertion Loss
C123-T87	HT-87	70.7	8 Watts	±1db 50 Hz-15KHz	.6 db
C123-T82	HT-82	25	8 Watts	±1db 50 Hz-15KHz	.6 db
C123-T47	HT-47	70.7	4 Watts	±1db 60 Hz-12KHz	1.0 db
C123-T42	HT-42	25	4 Watts	±1db 60 Hz-12KHz	1.0 db
C123-T70	LT-70	70.7	5 Watts	±1.5db 100 Hz-10KHz	1.5 db
C123-T25	LT-25	25	5 Watts	±1.5db 100 Hz-10KHz	1.5 db

SL 1243
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ARCHITECTS' AND ENGINEERING' SPECIFICATIONS

The loudspeaker shall be Soundolier model C123 Coaxial type, or approved equal, with a wide angle of sound distribution. The low frequency reproducer cone shall be a full 12"(305mm) diameter and the high frequency reproducer cone shall be a 3"(76mm) diameter. The low frequency reproducer shall have a 32 ounce (908g.) ceramic magnet and the high frequency reproducer shall have a 5.0 ounce (142g.) ceramic magnet. The two reproducer sections shall be coupled through a built-in cross-over network. The cross-over frequency of 2 KHZ shall be provided by a dual element LC network, 6 db per octave on the LF driver and a single element C, 3 db per octave on the HF driver.

The loudspeaker frequency response shall be 30 Hz to 18 KHz and the sensitivity shall be 98 db (SPL at 4'(1219mm) with 1 watt input.

The low frequency voice coil shall operate in a magnet field of at least 10,500 gauss and the high frequency voice coil shall operate in a magnetic field of at least 8,700 gauss.

The maximum depth of the loudspeaker shall not exceed 5"(127mm) (without transformer)

(Complete with Soundolier constant voltage transformer) The C123 Coaxial loudspeaker shall be complete with Soundolier model ____________________ transformer. Its primary voltage shall be 70.7 (or 25) volts and shall have power taps of ______ watts. The transformer frequency response shall be ± ____ db from ___________Hz to __________ KHZ. The insertion loss shall not exceed ___ db.

The combination coaxial loudspeaker and constant voltage transformer shall be Soundolier Model C123-(T87, T82, T47, T42, T70, T25) or approved equal.

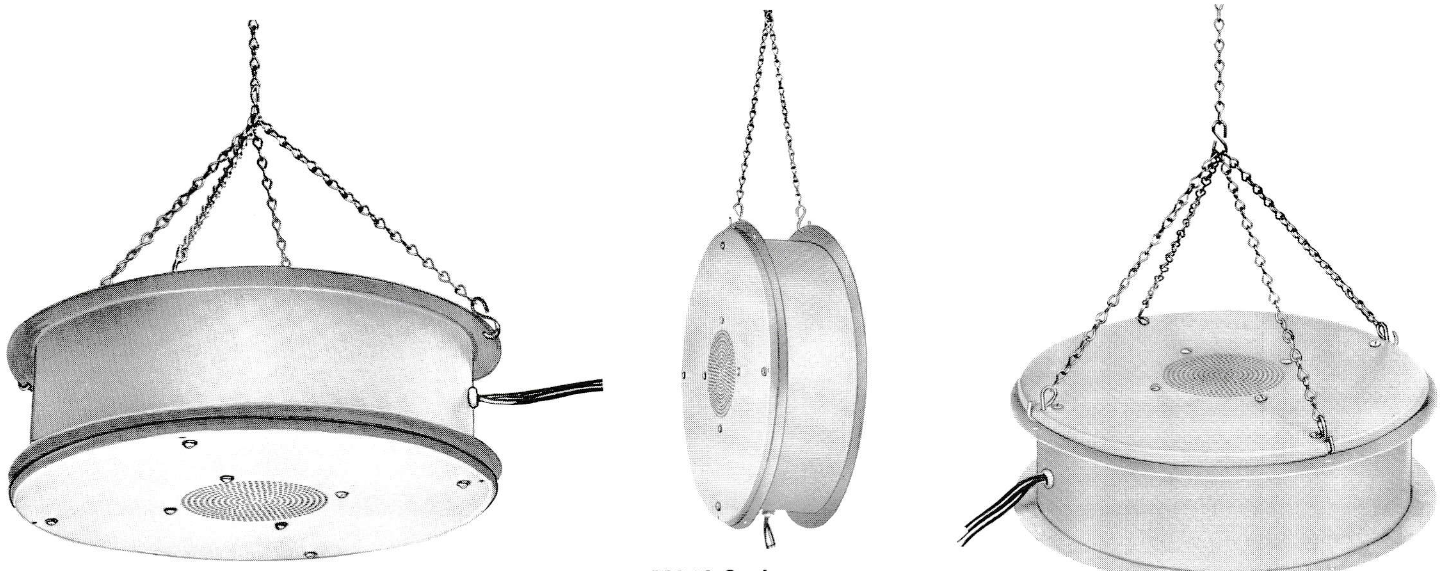
Model No.	Standard Package	Weight
C123	1	9.685 lbs.(4.38 Kg.)
C123-T25(70)	1	10.215 lbs.(4.63 Kg.)
C123-T42(47)	1	10.215 lbs.(4.63 Kg.)
C123-T82(87)	1	10.890 lbs.(4.94 Kg.)

MASKING LOUDSPEAKER SYSTEMS

COMPLETELY ASSEMBLED AND WIRED

4"(102mm)
SPEAKER
SERIES \ M940

460 cu. in.
(0.0075m^3)
ENCLOSURE



M940 Series

GENERAL DESCRIPTION

The Soundolier masking speaker systems are a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, a wide range, wide dispersion 4"(102mm) high compliance loudspeaker and transformer and all necessary hardware for suspension mounting. The assembly is completely wired.

The M940 Series utilizes a conventional steel baffle which has a perforated speaker opening. Additional protection from dust and foreign material is provided by employing a gasket of reticulated polyurethane material having a 60% opening.

The 460 cu. in. (0.0075m^3) enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

The loudspeaker, Model S4, is available with either a 70 volt or 25 volt transformer mounted and wired. Technical Bulletin AM 101 lists more technical data on this quality speaker.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:

Baffle — 12¾"(324mm) O.D.
Enclosure — 11⅞"(302mm) Dia. x 4¼"(108mm) Deep
Cubic Content — 460 cu. in. (0.0075m^3)

MOUNTING FEATURES

Radiating Upward

With the M940 Series, which is designed for suspension mounting, a 4 foot (1219mm) suspension chain harness is affixed to holes located on the face of the baffle, by means of "S" hooks.

Radiating Downward

The M940 Series, which is designed for suspension mounting, a 4 foot (1219mm) suspension chain harness is affixed to the rear mounting ring by attaching "S" hooks thru holes located in the perimeter of the ring.

Radiating Horizontally

With the M940 Series, which is designed for suspension mounting, a 4 foot (1219mm) suspension chain harness is affixed to a hole located on the face of the baffle and to a hole located on the rear mounting ring.

Radiating at an Angle

On the M940 Series, the speaker assembly may be positioned to any desired angle by merely changing the suspension point on the chain harness.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M940-S4T7(T2)*	Upward Downward Horizontal	Chain Suspension	S4	High Compliance 4"(102mm) Loudspeaker	10 oz.(.28Kg.) Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached
For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

The M940 Series replaces the M44, M45 and M46 Series.

SL 1244
Replaces SL 1126
Printed in U.S.A.

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870
TWX 910-760-1650

ARCHITECTS' AND ENGINEERING SPECIFICATIONS

The masking speaker system shall be Soundolier Model M940 or approved equal.

The system shall consist of an enclosure, baffle, a 4"(102mm) high compliance loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11⅞"(302mm) Dia. x 4¼"(108mm) Deep. It shall be constructed of heavy gauge steel and shall have 460 cu. in. (0.0075m^3) content. The enclosure shall be heavily undercoated and shall have 1½ lb./cu. ft. density fiberglass installed. The baffle shall be a sturdy steel one-piece grille measuring 12¾"(324mm) diameter. Grille shall have a perforated speaker opening.

Series M940 shall have installed between the baffle plate and loudspeaker, a cover gasket of reticulated polyurethane material having 60% opening. Gasket shall cover the entire face of the loudspeaker.

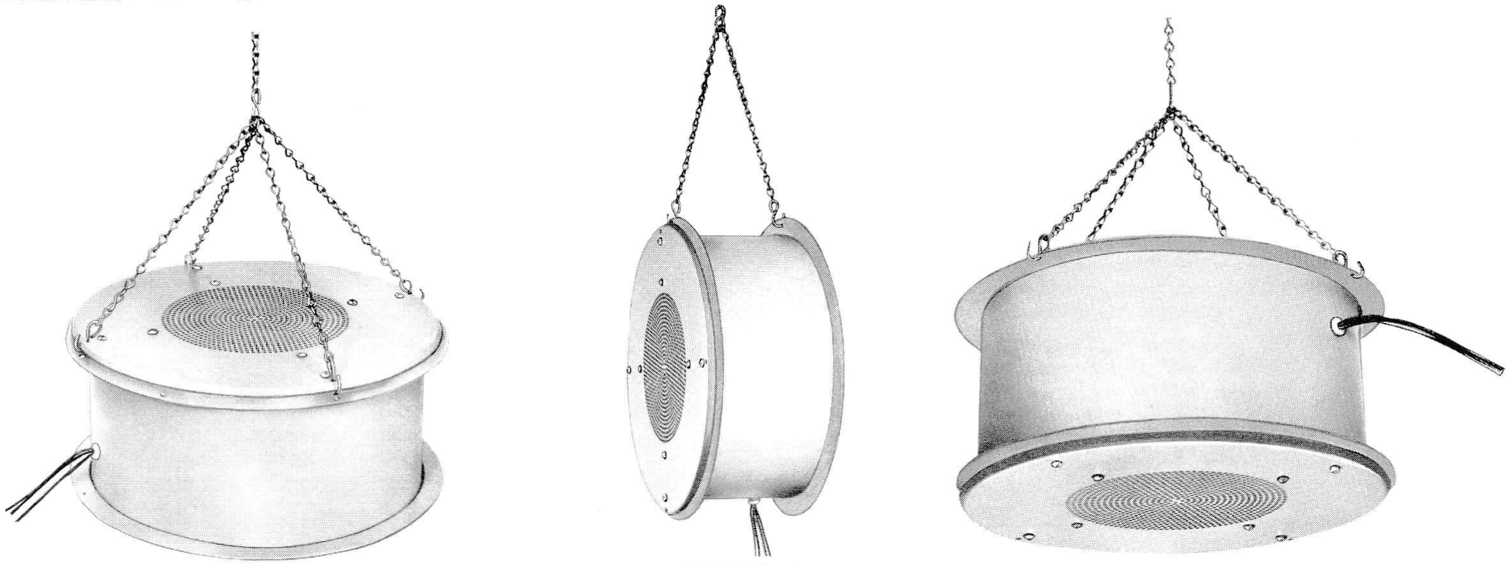
The loudspeaker-transformer shall be Soundolier Model S4T7 (S4T2) or approved equal. Loudspeaker shall be a 4"(102mm) reproducer with a 10 oz.(.28Kg.) ceramic magnet. Loudspeaker shall have a high compliance cone for extended frequency response. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For M940 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to holes provided on the face of the baffle and on the mounting ring on the back of the enclosure.

MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

8"(203mm)
SPEAKER
SERIES
\ **M980**

650 cu. in.
(0.01m³)
ENCLOSURE



M980 Series

GENERAL DESCRIPTION

The Soundolier masking speaker systems are a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, a wide range, 8"(203mm) loudspeaker and transformer and all necessary hardware for suspension mounting. The assembly is completely wired.

The M980 Series utilizes a conventional steel baffle which has a perforated speaker opening. Additional protection from dust and foreign material is provided by employing a gasket of reticulated polyurethane material having a 60% opening.

The 650 cu. in. (0.01m³) enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

To provide flexibility, the system designer can choose from 3 quality 8"(203mm) loudspeakers with either a 70 volt or 25 volt transformer installed and wired. To select the desired system and to determine your speaker choice, see **Model Number Chart** below. For more detailed data on our speakers see Technical Bulletin AM 101.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:

Baffle — 12¾"(324mm) O.D.
Enclosure — 11⅞"(302mm) Dia. x 6"(152mm) Deep
Cubic Content — 650 cu. in. (0.01m³)

MOUNTING FEATURES

Radiating Upward

With the M980 Series, which is designed for suspension mounting, a 4 foot (1219mm) suspension chain harness is affixed to holes located on the face of the baffle, by means of "S" hooks.

Radiating Downward

The M980 Series, which is designed for suspension mounting, a 4 foot (1219mm) suspension chain harness is affixed to the rear mounting ring by attaching "S" hooks thru holes located in the perimeter of the ring.

Radiating Horizontally

With the M980 Series, which is designed for suspension mounting, a 4 foot(1219mm) suspension chain harness is affixed to a hole located on the face of the baffle and to a hole located on the rear mounting ring.

Radiating at an Angle

On the M980 Series, the speaker assembly may be positioned to any desired angle by merely changing the suspension point on the chain harness.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M980-S1T7(T2)*	Upward Downward Horizontal	Chain Suspension	S1	Standard 8"(203mm) Loudspeaker	5 oz. Ceramic	.5, 1, 2, 5 watt
M980-S2T7(T2)			S2	8"(203mm) Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M980-S3T7(T2)			S3	8"(203mm) Loudspeaker Coaxial Type	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached

For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

The M980 Series replaces the M84, M85 and M86 Series.

SL 1245
Replaces SL 1119
Printed in U.S.A.

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / 314 -962-9870
TWX 910 - 760-1650

ARCHITECTS' AND ENGINEERING SPECIFICATIONS

The masking speaker system shall be Soundolier Model M980 or approved equal.

The system shall consist of an enclosure, baffle, an 8"(203mm) loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11⅞"(302mm) Dia. x 6"(152mm) Deep. It shall be constructed of heavy gauge steel and shall have 650 cu. in. (0.01m^3) content. The enclosure shall be heavily undercoated and shall have 1½ lb./cu. ft. density fiberglass installed. The baffle shall be a sturdy steel one-piece grille measuring 12¾"(324mm) diameter. Grille shall have a perforated speaker opening.

Series M980 shall have installed between the baffle plate and loudspeaker, a cover gasket of reticulated polyurethane material having 60% opening. Gasket shall cover the entire face of the loudspeaker.

For Speaker S1T7(T2) — The loudspeaker-transformer shall be Soundolier Model S1T7 (S1T2) or approved equal. Loudspeaker shall be an 8"(203mm) reproducer with a 5 oz.(.14Kg.) ceramic magnet. The transformer shall be factory mounted and wired to the loudspeaker.

For Speaker S2T7(T2) — The loudspeaker-transformer shall be Soundolier Model S2T7 (S2T2) or approved equal. Loudspeaker shall have a high frequency whizzer cone with a 10 oz.(.28Kg.) ceramic magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For Speaker S3T7(T2) — The loudspeaker-transformer shall be Soundolier Model S3T7 (S3T2) or approved equal. The loudspeaker shall be a coaxial type. The low frequency speaker shall be 8" in diameter with a 10 oz.(.28Kg.) ceramic magnet. The high frequency speaker shall be 3"(76mm) in diameter with a 2.35 oz.(.06Kg.) ceramic magnet.

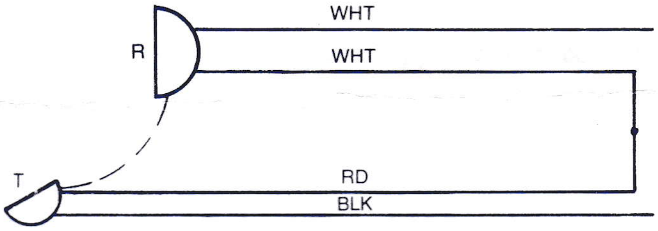
For M980 Series — The system shall include a 4 foot(1219mm) suspension chain harness which fastens by means of "S" hooks (supplied) to holes provided on the face of the baffle and on the mounting ring on the back of the enclosure.

FOR YOUR INFORMATION:

COMMON TALK TELEPHONE SYSTEMS/APPLICATIONS

Soundolier offers a complete line of telephone accessories with which basic, as well as complex common talk telephone systems can be constructed. Our handset/hookswitch assembled units (CE, WE, DP Series) or headsets H52, H53, H152, H252 Series) and our TPS24-20 telephone power supply are all that is needed to create a working telephone communication system.

The common talk telephone circuits described in this information sheet utilize handsets or headsets with all phone elements (transmitter and receiver) connected in series (see Figure 1).

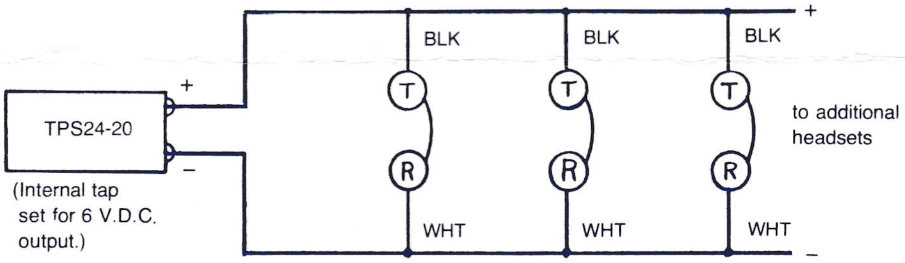


Schematic for series elements in handset or headset. Soundolier telephone units are prewired internally in this configuration. Headsets must be connected externally in this configuration.

Figure 1.

These units are then connected in parallel across a wire pair thus forming a common talk circuit. This wire pair is connected to an appropriate source of D.C. voltage to complete the talk circuit. The power supply for the common talk systems described in this information sheet should include a retard coil, be capable of 6 V.D.C. output and have low ripple (Soundolier TPS24-20). There are exceptions to the retard coil and 6 V.D.C. requirement. A typical example is the "common talk with paging" system described elsewhere in this sheet.

If a common talk headset system is required, one can be constructed easily, by following the schematic in Figure 2.



Note: 1. The "talk" level of this type system may become too low if more than 6 headsets are connected.

2. Since this system is not "amplified," the "talk" level may not be adequate in a high noise environment.

Schematic for common talk headset system.

Figure 2.

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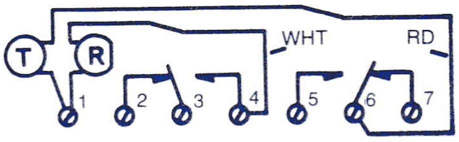
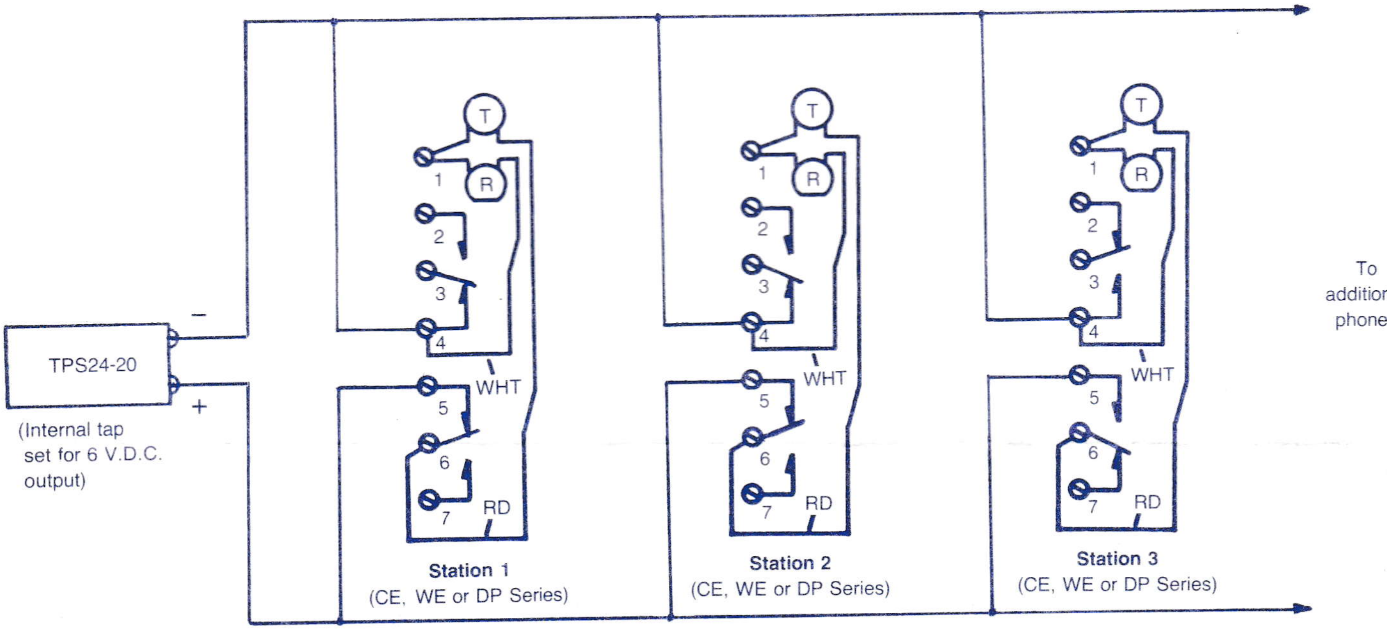
COMMON TALK TELEPHONE SYSTEMS/APPLICATIONS

Soundolier's line of telephone assemblies includes a handset/hookswitch combination (CE, WE, DP Series) wired and terminated on a barrier strip. These are available in a desk housing (DP Series) or pre-mounted on either a 2 or 4 gang stainless steel wall plate (CE, WE Series). All telephone assemblies are wired per the schematic in Figure 3. A common talk phone system can easily be assembled by connecting terminals 4 and 5 on all phone stations in parallel on a common talk path across the power supply terminals as in Figure 4.


T
R
WHT
RD
1
2
3
4
5
6
7

Schematic diagram for Soundolier CE, WE, DP Series telephones.

Figure 3.


TPS24-20
−
+
(Internal tap
set for 6 V.D.C.
output)
T
R
1
2
3
4
5
6
7
WHT
RD
Station 1
(CE, WE or DP Series)
Station 2
(CE, WE or DP Series)
Station 3
(CE, WE or DP Series)
To
additional
phones

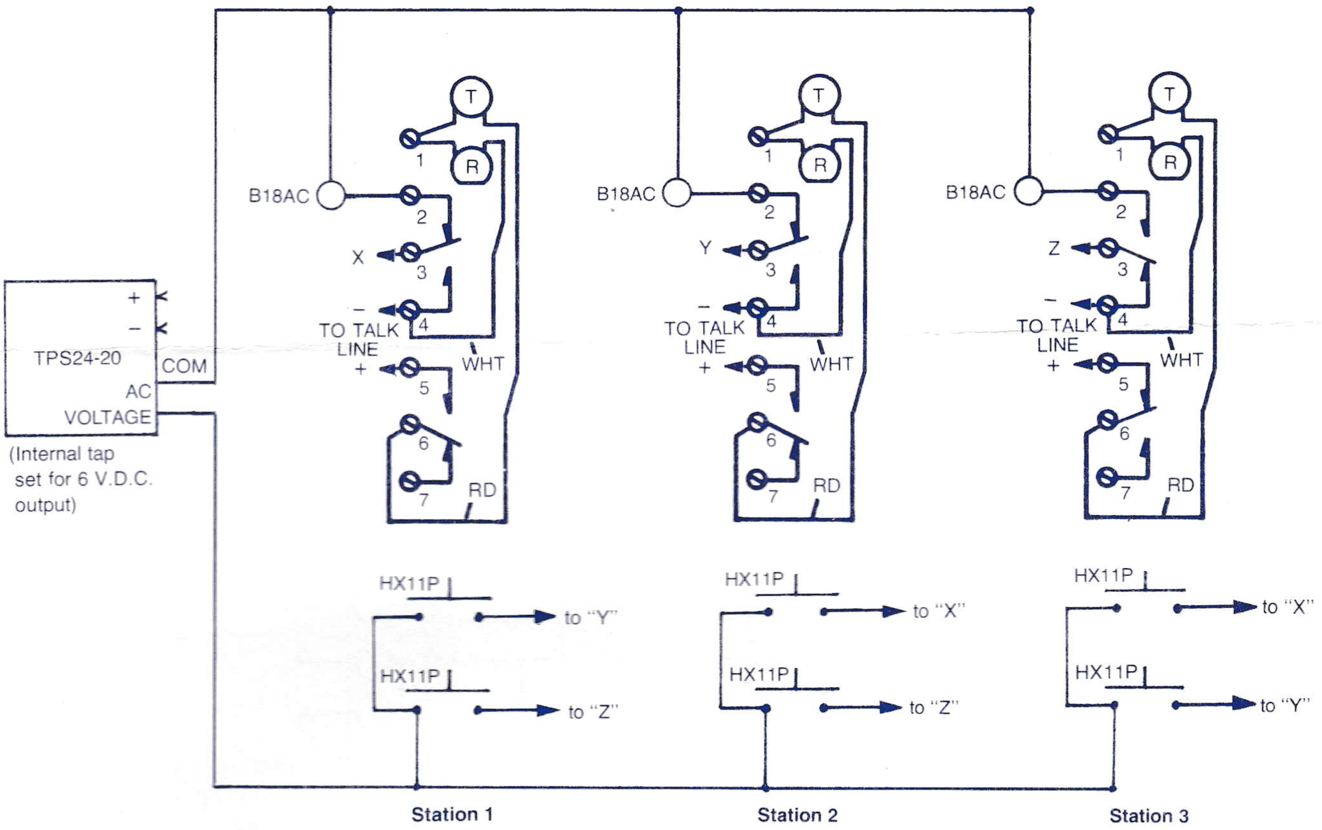
Schematic for common talk telephone system.

Figure 4.

You will note that stations 1 and 2 are "off hook" and connected into the phone system. Voice communication between these two telephones would be possible. Station 3, on the other hand, is in the "on hook" position disconnected electrically from the phone system.

COMMON TALK TELEPHONE SYSTEMS/APPLICATIONS

In telephone systems requiring selective ringing of individual phone stations, Soundolier has provided AC signalling voltage taps on the rear of the TPS24-20 chassis. By using a pushswitch (Soundolier HX-11P) and buzzer (Soundolier B18AC) a selective ring common talk phone system can be assembled by following the schematic diagram in Figure 5.

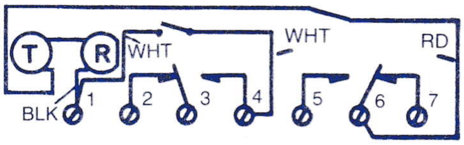

TPS24-20
+
−
COM
AC VOLTAGE
(Internal tap set for 6 V.D.C. output)
B18AC
T
R
1
2
3
4
5
6
7
X
Y
Z
−
TO TALK LINE
+
WHT
RD
HX11P
to "Y"
to "Z"
to "X"
Station 1
Station 2
Station 3

Schematic for selective ring common talk telephone system.

Figure 5.

You will note that the selective ring common talk phone system requires each phone to have one buzzer and a pushswitch for each of the other phone stations in the system. Therefore, for a three phone system, one buzzer and two pushswitches are needed at each phone station. Soundolier has all the components you will need to construct the above system in stock.

In some installations, paging is used to reach an individual instead of selective ringing. Again, Soundolier has components available to meet this need. The PT models of our C, W and DP Series telephones are wired with a "push to talk" switch in the handset (see Figure 6). These units can be connected to construct a one line common talk telephone system with paging.


T
R
WHT
WHT
RD
BLK
1
2
3
4
5
6
7

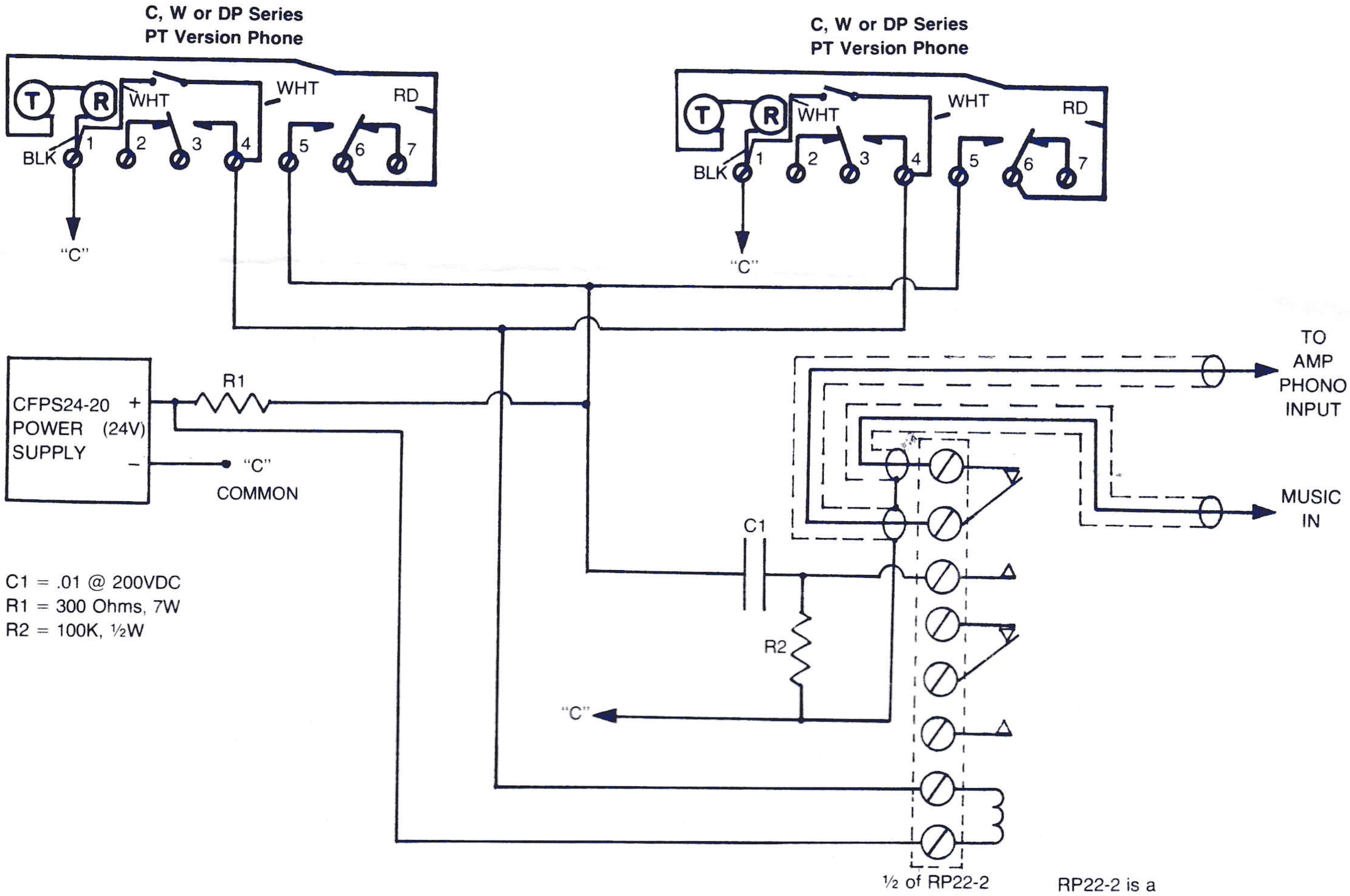
Wiring diagram for C, W and DP Series phones with PT (Push to Talk) switch.

Hookswitch shown with handset "on" hook.

Figure 6.

COMMON TALK TELEPHONE SYSTEMS/APPLICATIONS

Additional components required for the paging function include an amplifier with remote speakers and a relay. The relay is wired as a "page adapter" and operates when the PT button on the handset is depressed. In addition, a music source may be added to provide background music over the speaker system when paging is not being used (see Figure 7). If background music is not required, simply delete the "music in" connection and short amplifier input to common "C" via the normally closed relay contacts.



C1 = .01 @ 200VDC
R1 = 300 Ohms, 7W
R2 = 100K, ½W

RP22-2 is a
DPDT relay pack.

Schematic for common talk telephone system with paging and background music.

Figure 7.

You will note that a CFPS24-20 power supply is used instead of the TPS version. The supply is set for 24 V.D.C. to provide both relay and talk circuit power. This circuit utilizes a resistor (R1) as a quasi "retard coil" by isolating the talk line from the low internal impedance of the power supply. In addition, the resistor limits handset current to values in the 30 to 50 milliamp range.

The telephone circuit described above is also available as an "off the shelf" system. Soundolier's one line PageKom is a one line telephone system with paging, ready to install (Models PKC24-30, PK101-W, PK201-W, PK301-D). If more than one talk path is required, Soundolier's two-line PageKom offers two talk circuits plus a separate "page only" feature (Models PKC24-30, PK100-W, PK200-W, PK300-D).

When you have need of a common talk phone system, Soundolier has the necessary components "off the shelf" for you to assemble. If you have need of a complete telephone paging system, ask us about our PageKom line. You can depend on Soundolier to supply your telephone communication needs.

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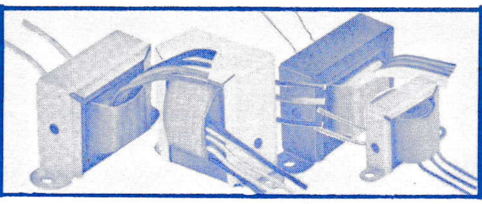
F.Y.I.

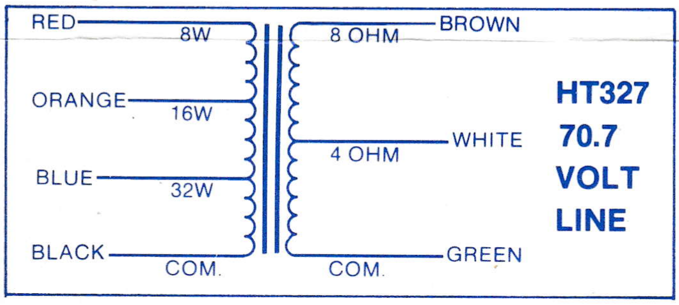


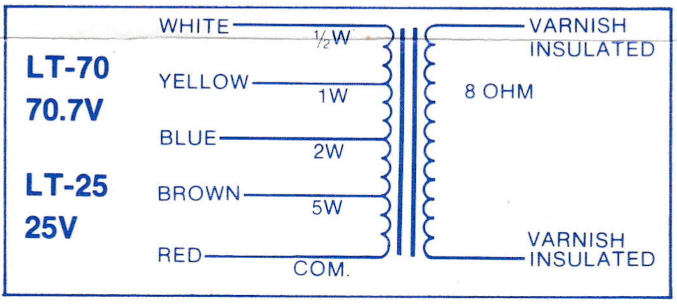
TRANSFORMER COLOR CODES

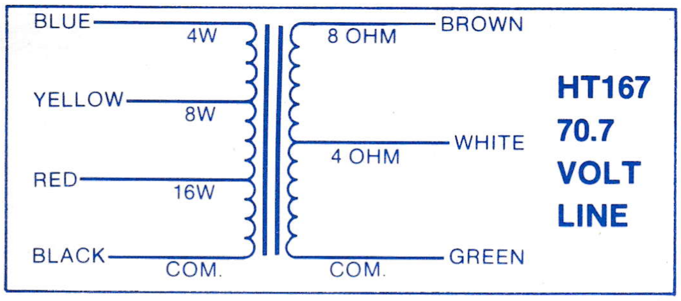
This handy For Your Information sheet is designed to familiarize you with wire lead color codes used on Soundolier's line matching transformers. Consult the schematics and chart below for the primary and secondary lead color code.

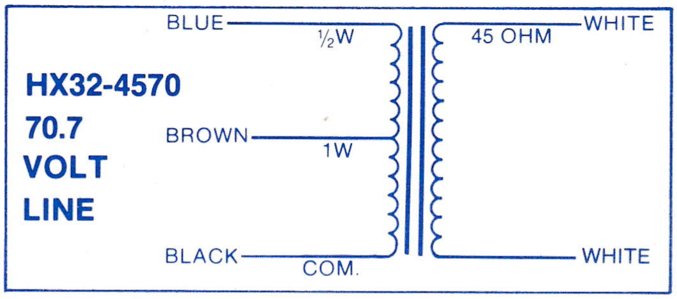
Soundolier is a major manufacturer of transformers. As a result of this manufacturing capability we have improved our LT Series. This series now incorporates fully interleaved laminations for optimum performance. Additionally, the LT Series insertion loss has been reduced from 1.5 db to 1.1 db. These improvements have been accomplished at no extra cost to you. Soundolier will also do custom modifications to comply with a special requirement you may have.

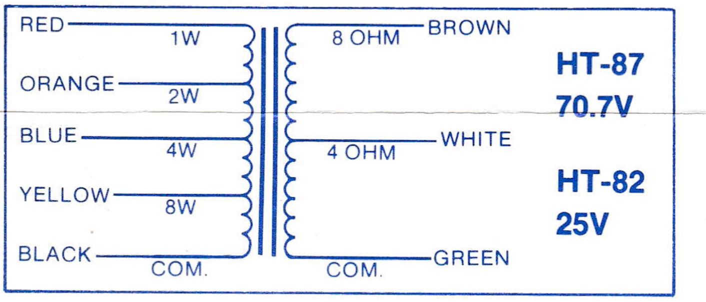
For quality construction at a conventional price, look to Soundolier for your transformer needs.

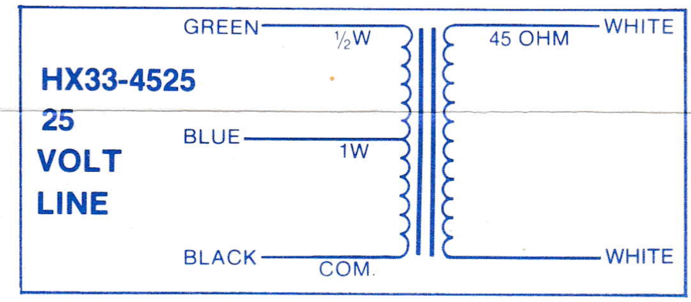

RED
8W
ORANGE
16W
BLUE
32W
BLACK
COM.
8 OHM
BROWN
4 OHM
WHITE
COM.
GREEN
HT327
70.7
VOLT
LINE

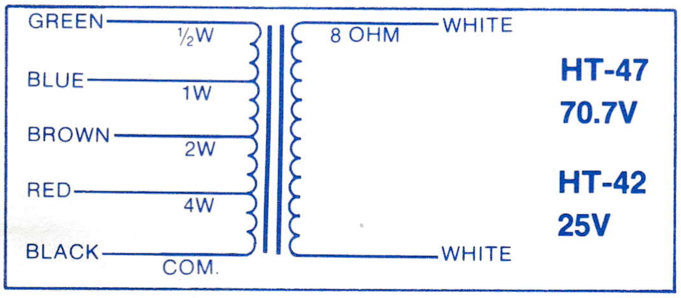

LT-70
70.7V
LT-25
25V
WHITE
½W
YELLOW
1W
BLUE
2W
BROWN
5W
RED
COM.
VARNISH
INSULATED
8 OHM
VARNISH
INSULATED

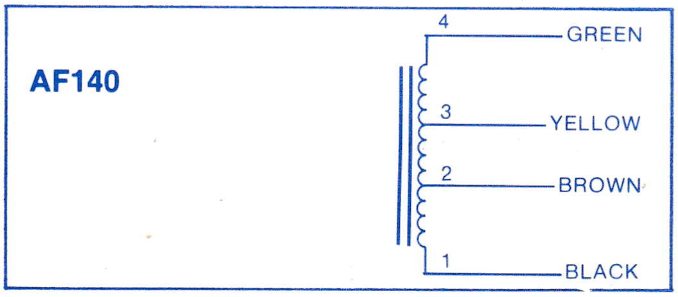

BLUE
4W
YELLOW
8W
RED
16W
BLACK
COM.
8 OHM
BROWN
4 OHM
WHITE
COM.
GREEN
HT167
70.7
VOLT
LINE


HX32-4570
70.7
VOLT
LINE
BLUE
½W
BROWN
1W
BLACK
COM.
45 OHM
WHITE
WHITE


RED
1W
ORANGE
2W
BLUE
4W
YELLOW
8W
BLACK
COM.
8 OHM
BROWN
4 OHM
WHITE
COM.
GREEN
HT-87
70.7V
HT-82
25V


HX33-4525
25
VOLT
LINE
GREEN
½W
BLUE
1W
BLACK
COM.
45 OHM
WHITE
WHITE


GREEN
½W
BLUE
1W
BROWN
2W
RED
4W
BLACK
COM.
8 OHM
WHITE
WHITE
HT-47
70.7V
HT-42
25V


AF140
4
GREEN
3
YELLOW
2
BROWN
1
BLACK

For Additional Information on Soundolier's complete line of Transformers, request SL1039 and SL1164.

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TWX 910-761-1650

SL 1228
Printed in U.S.A.

NEW!

Soundolier Emergency Alarm Speakers

UL Approved

Now an emergency alarm speaker with quality sound reproduction.

FEATURES

- **Underwriters' Laboratories listed.**
- **Smoother frequency response, better intelligibility, minimal distortion.**
- **Rugged cast housings with steel screen to prevent speaker cone damage.**
- **Available in Red or White (special colors upon request).**
- **Completely enclosed electronics; No projection of components past housing.**
- **Completely assembled units, ready to install.**
- **Surface mounting provides one piece vandal resistant assembly.**
- **High quality, multi-tapped transformers; 2 or 4 watts per speaker.**
- **Available in both 25 and 70.7 volt versions.**
- **DC blocking capacitor in transformer primary.**
- **Unique and attractive bi-directional unit with cast mounting canopy which allows installation without disassembly (bi-directional audible signal device . . . the only one in the industry).**
- **Bi-directional units require fewer outlet boxes thereby reducing installatiion costs.**

Soundolier announces its comprehensive line of Audible Signal Devices for electronically amplified Life Safety or Fire Alarm systems.

Soundolier Audible Signal Devices faithfully reproduce electronically amplified emergency voice and tone signals. This superior reproductive quality assures intelligibility of voice commands employed to direct occupants to a safe portion of the building or to notify occupants to evacuate the building.

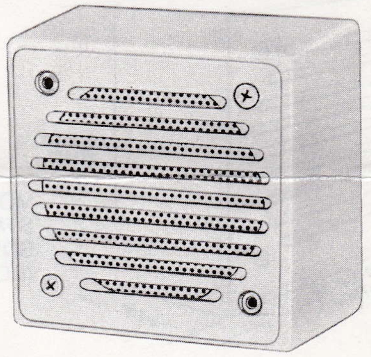
The devices are constructed of rugged die cast aluminum housings and are available in red or white baked enamel.

Soundolier makes available 3 different models. The L30 Series is for surface mounting, interior use. The L31 Series is for recessed mounting, interior use. The L32 Series is a bi-directional device and can be wall or ceiling mounted, interior use.

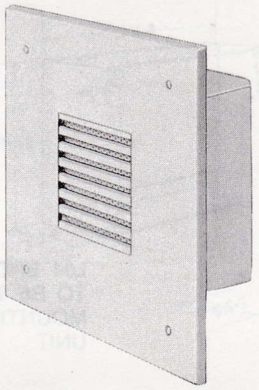
Soundolier Audible Signal Devices are available in 25 or 70.7 volts RMS 2 watt continuous ratings for fire alarm signaling use. A 4 watt tap for additional power is also provided. All Soundolier Audible Signal Devices are Underwriters' Laboratories listed for "Fire Protective Signaling Services" (UL464).

APPLICATIONS:

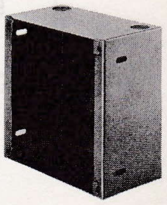
The Soundolier Emergency Alarm Speakers are ideally suited for high-rise buildings, manufacturing plants, large apartments and condominiums, schools and campus complexes. Other applications are in hotels, office buildings, hospitals, nursing homes, libraries, motels and public buildings of all types.



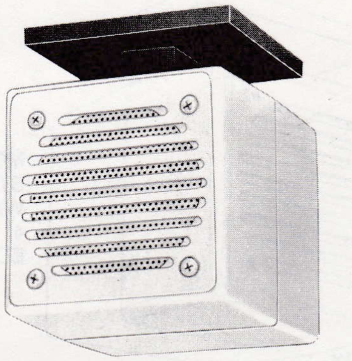
L30 SURFACE



L31 RECESSED



L31 SERIES ENCLOSURE



(THE ONLY
BI-DIRECTIONAL
IN THE INDUSTRY)

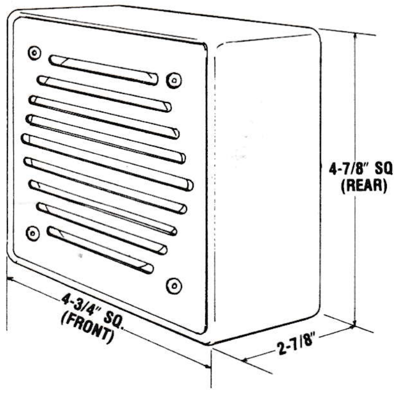
L32 BI-DIRECTIONAL

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

PRINTED IN

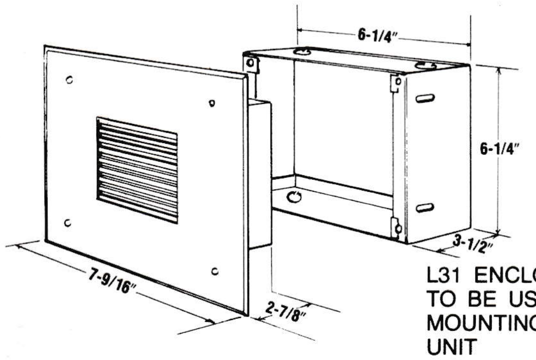
Soundolier Emergency Alarm Speakers

Specifications



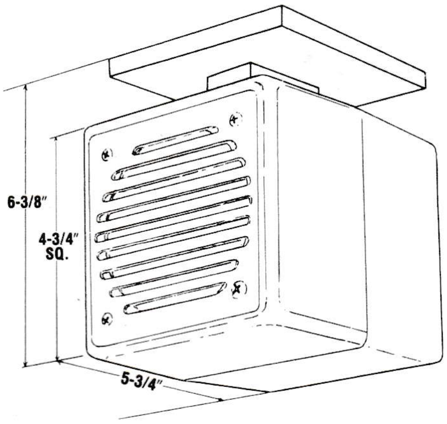
MOUNTS TO STANDARD 4" SQUARE EO BOX (NOT INCLUDED)

L30 SERIES SURFACE



L31 ENCLOSURE TO BE USED WHEN MOUNTING RECESSED UNIT

L31 SERIES RECESSED



MOUNTS TO STANDARD WALL BOX OR 4" OCTAGONAL EO BOX

L32 SERIES BI-DIRECTIONAL

Soundolier Audible Signal Devices utilize components of the highest quality and workmanship. This unique combination has produced a quality sound reproducer which meets all specifications regarding emergency signaling devices as set forth in Underwriters' Laboratories "Standard for Safety" UL464.

SPEAKER SPECFICATIONS

Size:	4"
Magnet:	5 oz. ceramic.
Cone:	Fire retardant and moisture proof.
Freq. Response:	400-4000 HZ
Power Rating (RMS):	5 watts
Impedance:	8 ohm
Sensitivity:	85 db at 10 ft., 2 watts input power.

TRANSFORMER SPECIFICATIONS

Primary:	2, 4 watt Multi-tap.
Secondary:	8 ohm
Insertion loss:	Less than 1 db.
Construction:	High grade 3/8" sq. core, varnish dipped windings.

WIRING CONNECTIONS

6" pigtail leads, color coded.

CAPACITOR

10 mfd @ 50 V	(25 volt models only)
4 mfd @ 150 V	(70.7 volt models only)

Model No.	Matched Line	Power	Color	Mounting
L30-25R	25V RMS	2 or 4 W	Red	Surface
L30-25W	25V RMS	2 or 4 W	White	Surface
L30-70R	70.7V RMS	2 or 4 W	Red	Surface
L30-70W	70.7V RMS	2 or 4 W	White	Surface
L31-25R	25V RMS	2 or 4 W	Red	Recessed
L31-25W	25V RMS	2 or 4 W	White	Recessed
L31-70R	70.7V RMS	2 or 4 W	Red	Recessed
L31-70W	70.7V RMS	2 or 4 W	White	Recessed
*L31E	Enclosure Only	Fits All L31 Series		
L32-25R	25V RMS (See Note)	4 or 8 W	Red	Bi-directional
L32-25W	25V RMS (See Note)	4 or 8 W	White	Bi-directional
L32-70R	70.7V RMS (See Note)	4 or 8 W	Red	Bi-directional
L32-70W	70.7V RMS (See Note)	4 or 8 W	White	Bi-directional

*Enclosure L31-E must be specified and ordered separately.

NOTE: The power handling capacity of the bi-directional unit is double that of the recessed and surface versions since it contains two speakers, two capacitors and two multi-tapped line transformers (2 and 4 watts each).

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ANNOUNCING

SOUNDOLIER'S NEW CABINET STOCKING PROGRAM "NEXT DAY" DELIVERY*

Soundolier has just put in a stock of its most popular cabinet models for you when you really need some in a hurry!

The models listed below will be shipped to you (in most cases) the next day after your order is entered.

All models are finished in the **standard Grey Hammertone** paint. Other models and colors are still available in our normal delivery schedule.

Remember: This program is designed to meet your **emergency** needs. Please make sure your order reflects your **actual** situation. If any part of your cabinet order can be delivered in our normal shipping cycle, we request that you make that clear when you place your order.

IN STOCK CABINETS AND ACCESSORIES (Grey Hammertone — SH768)

RELAY RACKS, KNOCKED DOWN

100-42
100-61
100-77

TRANSMITTER RACKS KNOCKED DOWN

200-42
200-61
200-77

SECTIONAL WALL CABINET

300-17
300-28
300-61

DESK TOP CABINET

400-12
400-24

ROLLER TRUCK

CT1020

RELAY RACKS, WELDED ASSEMBLED

WA100-42
WA100-61
WA100-77

TRANSMITTER RACKS, WELDED ASSEMBLED

WA200-42
WA200-77

MULTI RACK BASIC CABINET

500-61
500-70
500-77

MULTI RACK FRONT DOOR

510-61
510-70
510-77

MULTI RACK SIDE PANELS

540-61
540-70
540-77

FRONT DOORS FOR RELAY RACKS

110-42
110-61
110-77

PHONO DRAWERS

PD10-145
PD10-165

STORAGE DRAWERS

SD10-16
SD10-165

VENT PANELS

SVP19-1
SVP19-3
SVP19-5
SVP19-7

STEEL BLANK PANELS

S19-1
S19-3
S19-5
S19-7
S19-8
S19-10
S19-12
S19-14
S19-21

ALUMINUM BLANK PANELS

A19-1
A19-3
A19-5
A19-7
A19-8
A19-10
A19-12

SHELF ASSEMBLY

SH19-7

HERE'S HOW TO PLACE YOUR ORDER — Only phone orders will qualify for this special stock. CALL COLLECT — AC314-962-9870 — ask for the sales order desk — tell them you have a rush cabinet order.

*Every effort will be made to process and ship your order as we have indicated. However, Soundolier cannot be held responsible for occasional stock-outs which may occur. Soundolier reserves the right to discontinue this program without notice.

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soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

Distributor Net
Price Sheet
August 1, 1975

ACCESSORIES FOR FIRE ALARM EMERGENCY COMMUNICATIONS

F.O.B. St. Louis, Mo.
All prices are distributor net.
No further discounts apply.

Model No.	Description	List	Distributor Net 1-49	Distributor Net 50-249	Distributor Net 250 UP
L20-100	Round Recessed Grille	$ 7.42	$ 2.67	$ 2.46	$ 2.24
L20-101	Square Recessed Grille	$ 7.31	$ 2.63	$ 2.42	$ 2.21
L20-102	Corridor Baffle	$32.33	$11.64	$10.59	$10.06
L20-200	Round Recessed Enclosure, 4″ deep	$12.08	$ 4.35	$ 4.00	$ 3.65
L20-201	Round Recessed Enclosure, 6″ deep	$13.75	$ 4.95	$ 4.55	$ 4.16
L20-210	Square Recessed Enclosure, 3¾″ deep	$10.67	$ 3.84	$ 3.53	$ 3.23
L20-211	Square Recessed Enclosure, 6″ deep	$13.64	$ 4.91	$ 4.52	$ 4.13
L20-212	Square Surface Enclosure, 4″ deep	$13.97	$ 5.03	$ 4.62	$ 4.22
L20-213	Square Surface Enclosure, 6″ deep	$16.94	$ 6.10	$ 5.61	$ 5.12
L20-220	Round Plaster Ring	$ 4.64	$ 1.67	$ 1.54	$ 1.40
L20-221	Round Plaster Ring for 16″ Stud Ctrs.	$ 6.67	$ 2.40	$ 2.20	$ 2.01
L20-222	Round Plaster Ring for 24″ Lay in Tile	$ 7.67	$ 2.76	$ 2.54	$ 2.32
L20-223	Square Plaster Frame	$ 5.42	$ 1.95	$ 1.80	$ 1.64
L20-224	Square Plaster Frame for 16″ Stud Ctrs	$ 7.31	$ 2.63	$ 2.42	$ 2.21
L20-225	Square Plaster Frame for 24″ Lay in Tile	$ 8.75	$ 3.15	$ 2.90	$ 2.65

		List	1-49	50 UP
L20-300	Recessed Telephone Station with Breakglass	$123.69	$44.53	$40.66
L20-301	Recessed Telephone Station with Non-Breakglass	$121.97	$43.91	$40.09
L20-302	Recessed Telephone Station with Friction Latch	$114.28	$41.14	$37.56
L20-303	Recessed Telephone Station with Breakglass & Armored Cable	$158.33	$57.00	$52.05
L20-304	Recessed Telephone Station with Non-Breakglass & Armored Cable	$156.64	$56.39	$51.48
L20-310	Surface Telephone Station with Breakglass	$129.58	$46.65	$42.60
L20-311	Surface Telephone Station with Non-Breakglass	$127.92	$46.05	$42.04
L20-312	Surface Telephone Station with Friction Latch	$120.19	$43.27	$39.50
L20-313	Surface Telephone Station with Breakglass & Armored Cable	$164.28	$59.14	$53.99
L20-314	Surface Telephone Station with Non-Breakglass & Armored Cable	$162.53	$58.51	$53.43
L20-320	Red Telephone Handset, 3 Circuit Plug	$ 52.22	$18.80	$17.30
L20-330	Telephone Receptacle, 3 Circuit, on 1 Gang Plate	$ 7.86	$ 2.83	$ 2.60
L20-331	Telephone Receptacle, 3 Circuit, on 1 Gang Plate with Breakglass	$ 10.25	$ 3.69	$ 3.39
L20-340	Telephone Receptacle, 3 Circuit, Surface Mount	$ 14.53	$ 5.23	$ 4.81
L20-341	Telephone Receptacle, 3 Circuit, Surface Mount, with Breakglass	$ 16.92	$ 6.09	$ 5.61

		List	16-128	144-464	480 UP
L20-400-7	Dual Voice Coil Speaker, 70.7 V Transformers	$ 21.83	$ 7.86	$ 7.80	$ 7.75
L20-400-2	Dual Voice Coil Speaker, 25 V Transformers	$ 21.83	$ 7.86	$ 7.80	$ 7.75

		List	Dist. Net
TPS24-20	Telephone Power Supply	$118.48	$47.39

Printed in U.S.A.

soundolier, inc.

ACCESSORIES FOR FIRE ALARM EMERGENCY COMMUNICATIONS

EMERGENCY TELEPHONE STATIONS AND ACCESSORIES

emergency telephone

TELEPHONE POWER SUPPLY

SPECIFICATIONS

Input power:

117 VAC at 60 Hz

Output power:

Talk voltage—6, 12 & 24 volts at 2 amps
AC voltage—6, 12 & 24 volts at 2 amps

Ripple (talk voltage)

Less than .125% (30 mv RMS) at 2 amps

Model TPS24-20 is a combination low voltage AC and Talk voltage power supply, ideally suited for use with Soundolier's emergency telephone stations. A retard coil is included in the talk voltage circuit. AC and Talk voltage outputs are 6 volts, 12 volts, and 24 volts at 2 amps. A ventilated cover is included.

Soundolier manufactures the most versatile and complete line of Emergency Telephone Stations in the industry. Designed and engineered for flexibility, these stations can accommodate any requirement demanded by construction or system criteria.

Stations feature a locked door design — with either a breakglass or non-breakglass feature. Soundolier also has available a sturdy friction catch design for fast, safe entry into the housing, when a locked door is not required.

The telephone handsets supplied with the station are available with either standard coil cord or a durable security-type armored cable. The hook switch configuration consists of two form "C" switches which permits a variety of wiring uses. The handset rests on a handsome chrome cradle which actuates the switch mechanism.

emergency
telephone
emergency
telephone

EMERGENCY TELEPHONE STATIONS-With Locked Doors

Description: These versatile units are available with or without a "breakglass" door feature and come in a red baked enamel finish.

Telephone handsets are also available with armored cable for added security.

RECESSED EMERGENCY TELEPHONE STATIONS

MODEL NO.	DOOR	ENCLOSURE DIMENSIONS	FRAME SIZE	TELEPHONE CORD
L20-300	Breakglass	$13\frac{17}{32}$"x8"x$3\frac{5}{8}$"	15"x$9\frac{5}{8}$"	Standard Coiled Cord
L20-301	Solid	$13\frac{17}{32}$"x8"x$3\frac{5}{8}$"	15"x$9\frac{5}{8}$"	Standard Coiled Cord
L20-303	Breakglass	$13\frac{17}{32}$"x8"x$3\frac{5}{8}$"	15"x$9\frac{5}{8}$"	Security-type armored cable
L20-304	Solid	$13\frac{17}{32}$"x8"x$3\frac{5}{8}$"	15"x$9\frac{5}{8}$"	Security-type armored cable

SURFACE MOUNT EMERGENCY TELEPHONE STATIONS

MODEL NO.	DOOR	DIMENSIONS	TELEPHONE CORD
L20-310	Breakglass	$15\frac{3}{16}$"x$9\frac{13}{16}$"x$3\frac{13}{16}$"	Standard Coiled Cord
L20-311	Solid	$15\frac{3}{16}$"x$9\frac{13}{16}$"x$3\frac{13}{16}$"	Standard Coiled Cord
L20-313	Breakglass	$15\frac{3}{16}$"x$9\frac{13}{16}$"x$3\frac{13}{16}$"	Security-type armored cable
L20-314	Solid	$15\frac{3}{16}$"x$9\frac{13}{16}$"x$3\frac{13}{16}$"	Security-type armored cable

emergency
telephone
emergency
telephone

RECESSED AND SURFACE MOUNT EMERGENCY TELEPHONE STATIONS-FRICTION CATCH

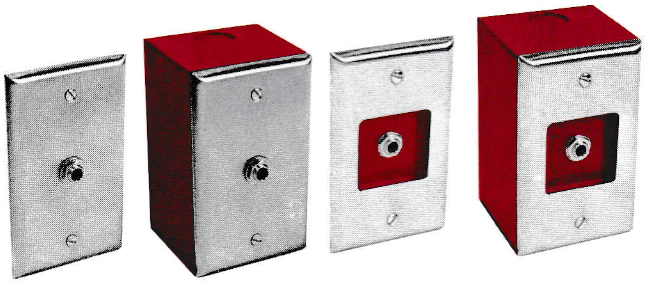
These telephone stations, designed for flush mounting or surface mounting feature a quality friction catch door for speedy access to the telephone inside the housing. Standard finish is red baked enamel.

MODEL NO.	ENCLOSURE	ENCLOSURE DIMENSIONS	FRAME SIZE	TELEPHONE CORD
L20-302	Recessed	$13\frac{17}{32}$x8"x$3\frac{5}{8}$"	15"x$9\frac{5}{8}$"	Standard Coiled Cord
L20-312	Surface	$15\frac{3}{16}$"x$9\frac{13}{16}$"x$3\frac{13}{16}$"	15"x$9\frac{5}{8}$"	Standard Coiled Cord

PORTABLE FIREMAN'S TELEPHONE HANDSET

This telephone handset comes complete with coiled cord. The attached three-circuit plug readily fits all standard telephone plug receptacles, allowing fire-fighters to make direct communications with a central control area.

MODEL NO. L20-320



TELEPHONE RECEPTACLES

A unique "breakglass" feature of these receptacles acts as a strong deterrent to vandalism. A standard exposed jack model is also available.

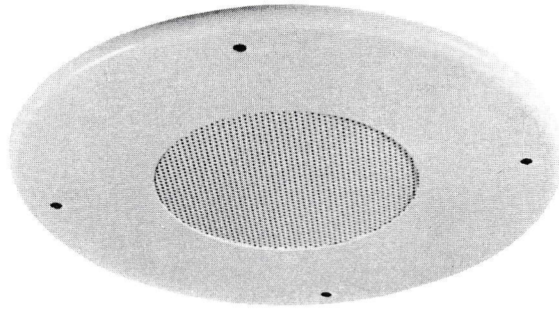
Units consist of two basic styles — **recessed and surface mounted.** The recessed style is not furnished with the single gang box. Both versions consist of a three-circuit jack mounted on an attractive, single-gang, stainless steel plate. Six-inch, color coded leads wire the jack to the system.

MODEL NO.	STYLES	DIMENSIONS	DESCRIPTION
L20-330 L20-331	Recessed "	$2\frac{1}{4}$"x$4\frac{9}{16}$" x $2\frac{1}{4}$" deep All Four Styles	Exposed Jack "Breakglass"
L20-340 L20-341	Surface "		Exposed Jack "Breakglass"

BAFFLES, ENCLOSURES, AND PLASTER RINGS FOR RE-ENTRANT HORNS

To satisfy the need for baffles designed to house re-entrant horns, Soundolier has several models which permit surface and recess mounting in ceilings, walls or in corridors.

The enclosures are available in standard depths or in 6″ versions to accommodate deeper horns with fitted transformers. Plaster rings are ideal for installations not requiring enclosures or conduit wiring.

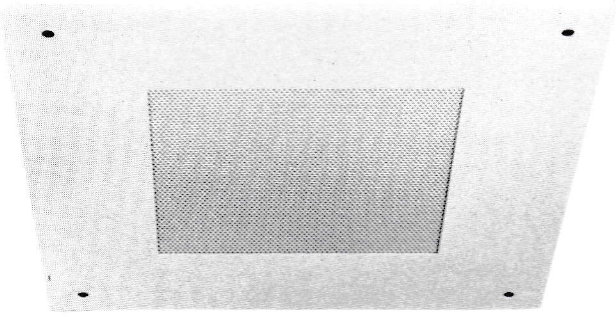


MODEL L20-100 — This is an attractive grille designed for flush mounting a re-entrant horn in a ceiling or wall. The grille is constructed of sturdy, cold-rolled steel, and finished in a baked white enamel. The horn mounting studs are hidden for a cleaner appearance.

See chart below for dimensions and model number of enclosures or plaster rings that may be required.

TO MOUNT HORN	GRILLE MODEL	DIMENSIONS	ENCLOSURE	PLASTER RING
Atlas APF15	L20-100	11″ dia. x ⅜″ deep	L20-200	L20-220 L20-221 L20-222
Atlas APF15-T	L20-100	11″ dia. x ⅜″ deep	L20-201	L20-220 L20-221 L20-222

For other model horns, contact Soundolier.

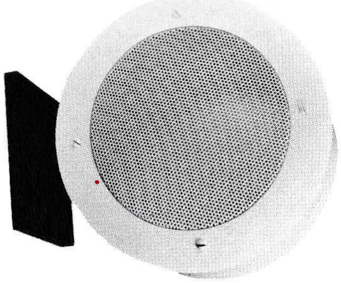


Model L20-101 — This attractive square grille is designed to mount a re-entrant horn for flush or surface mounting (see L20-212 and L20-213 Enclosures). The grille is constructed of sturdy cold-rolled steel and finished in baked white enamel. Horn mounting studs are hidden for a cleaner appearance.

See chart below for dimensions and selection of either recessed or surface enclosures or plaster rings.

TO MOUNT HORN	GRILLE MODEL	DIMENSIONS	ENCLOSURE	PLASTER RING
Atlas APF15	L20-101	10½″x10½″x3/16″	L20-210 (recessed) L20-212 (surface)	L20-223 L20-224 L20-225
Atlas APF15-T	L20-101	10½″x10½″x3/16″	L20-211 (recessed) L20-213 (surface)	L20-223 L20-224 L20-225

For other model horns, contact Soundolier.



MODEL L20-102 — Due to an increasing demand for surface mounting horns, this extremely attractive unidirectional corridor baffle has been designed to function with a horn — projecting sound **down** a corridor. Greater sound coverage is achieved by this style of design and mounting.

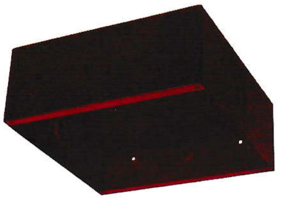
Model L20-102 corridor baffle is constructed of cold-rolled steel and is finished in a baked white enamel. The cover grille has an attractive contour and blends well with any decor. Baffle comes complete with a sculptured cast aluminum base for mounting to an E.O. Box in the wall or ceiling.

TO MOUNT HORN	MODEL NO.	DIMENSIONS	MOUNTS TO
Atlas APF15	L20-102	7⅝″ dia.x4″ deep x8¾″ projection	4″ E.O. Box (not furnished)

For other model horns, contact Soundolier.

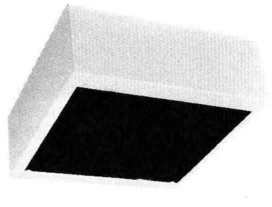
MODEL L20-200 — Recessed 20 ga. CRS enclosure for mounting L20-100 round grille. Complete with plaster ring, mounting straps and four combination ½-¾-1″ knockouts. Undercoated to prevent metallic resonance and finished in a rust preventative coating.
Dimensions: 8 9/16″ dia. x 4″ deep.

MODEL L20-201 — Same as L20-200, except deeper for mounting horns with fitted transformers.
Dimensions: 8 9/16″ dia. x 6″ deep.



MODEL L20-210 — Recessed 20 ga. CRS enclosure for mounting L20-101 square grille. A combination ½-¾-1″ K.O. is located on each side. Undercoated to prevent metallic resonance and finished in a rust preventative coating.
Dimensions: 9⅝″x9⅝″x3¾″ deep.

MODEL L20-211 — Same as L20-210, except deeper for mounting horns with fitted transformers.
Dimensions: 9⅝″x9⅝″x6″ deep.



MODEL L20-212 — An attractive surface mount enclosure for mounting L20-101 square grille. A knockout is located in the center of the top and four mounting holes are provided. Undercoated to prevent resonance and finished in a baked white enamel.
Dimensions: 10½″x10½″x4″ deep.

MODEL L20-213 — Same as L20-212, except deeper for mounting horns with fitted transformers.
Dimensions: 10½″x10½″x6″ deep.

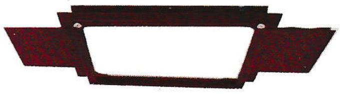
MODEL L20-220 — A plaster ring for mounting L20-100 round grille in recessed applications where enclosures are not required. Finished in a rust preventative coating.
Dimensions: 8 9/16″ dia. x ⅝″ deep.

MODEL L20-221 — Similar to L20-220, except complete with mounting ears for 16″ stud centers.

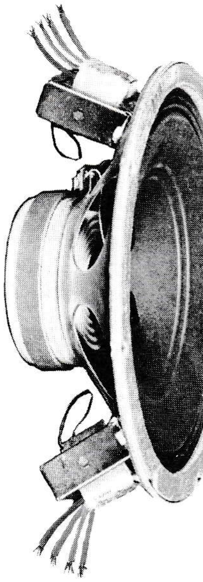
MODEL L20-222 — Similar to L20-220, except complete with mounting ears for 24″ lay in tile.

MODEL L20-223 — A square plaster frame for mounting Model L20-101 grille. Finished in a rust preventative coating.
Dimensions: 9⅜″x9⅜″x½″ deep.

MODEL L20-224 — Similar to L20-223, except complete with mounting ears for 16″ stud centers.



MODEL L20-225 — Similar to L20-223, except complete with mounting ears for 24″ lay in tile.



DUAL VOICE COIL LOUDSPEAKER

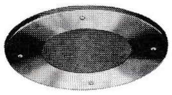
Many Emergency Communication Systems require voice coil supervision. Soundolier has designed a quality 8″ loudspeaker which meets this need. In fact, its sound quality far exceeds expectations in this type speaker. Model L20-400 will mount to all standard 8″ baffles in our line. Available with factory mounted and wired transformers.

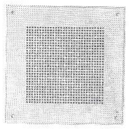
MODEL NO.	TRANSFORMER PRIMARY
L200-400-7	70.7 V
L200-400-2	25 V

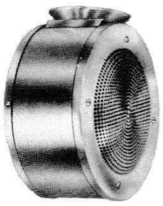
SPEAKER SPECIFICATIONS	
Speaker diameter:	8″
Frequency:	70 - 10,000 Hz
Magnet Weight:	10 oz. Ceramic
V. C. impedance:	8 ohms
V. C. diameter:	1″
Axial Sensitivity:	97 db
Power Handling:	9 watts (RMS)
Flux Density:	10,000 lines/CM^2
Depth:	3″

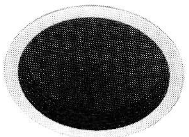
TRANSFORMER SPECIFICATIONS	
Primary:	70.7 (25) V
Secondary:	8 ohms
Core:	⅝″x⅝″
Taps:	C, .5, 1,2,5 Watts
Leads:	Color coded, stripped and tinned

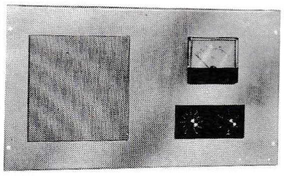
soundolier, inc.

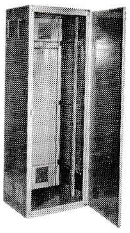


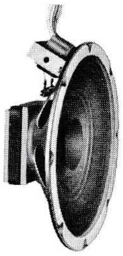


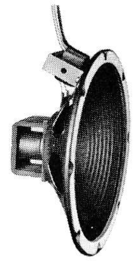


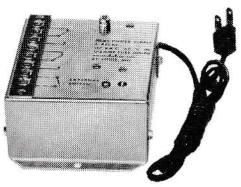


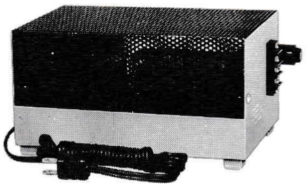












For over 20 years, Soundolier has been a leading manufacturer of quality industrial sound and electronic accessories. Its reputation for reliability of products and services is well known. Below is just a small sampling of other product categories, adaptable for use in the area of Life Safety, as well as for use in the general field of commercial sound.

BAFFLES-ENCLOSURES

The most widely specified line of baffles and enclosures for distributed sound systems is offered by Soundolier. From our 4″ speaker, to our standard 8″ line, you will find a model to satisfy any design or construction criteria.

ELECTRONIC EQUIPMENT CABINETS

Our line of equipment cabinets and accessories is extensive. Cabinet models include floor standing relay racks or transmitter racks, wall mounted sectional rack and desk top relay racks. Accessories include phono drawers, blank panels, monitor and power panels and all necessary mounting devices. You have a choice of many standard colors at no extra cost.

LOUDSPEAKERS

Soundolier is a leader in loudspeaker sales. We offer a versatile line of quality 4″ and 8″ sizes. These loudspeakers are available with factory mounted and wired line matching transformers. They are also available premounted on many baffle models if desired.

ELECTRONIC EQUIPMENT

Includes a variety of power supplies, relays, tone generators, all specifically designed for commercial sound applications.

CUSTOM FABRICATION

Custom fabrication or modification of standard items is still another "extra" Soundolier can offer.

Changes of any kind, whether it be to alter appearance or as complex as customizing electronic component circuitry, Soundolier is staffed to handle the job — and, at a reasonable cost. Geared for long-runs, yet flexible enough to solve sound equipment installation and design problems, Soundolier stands ready to serve you.

For further information on the complete Soundolier line of products, write:

soundolier, inc.

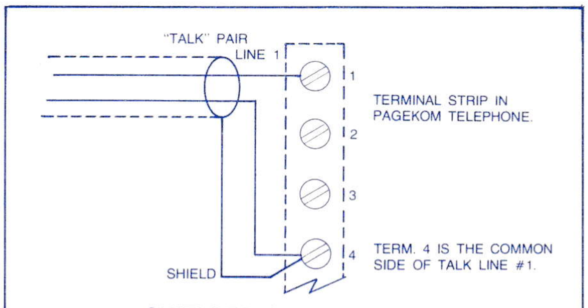
SOUNDOLIER, INC. • 9380 WATSON INDUSTRIAL PARK
ST. LOUIS, MO. 63126 • ATT: ADVERTISING DEPT.

FOR YOUR INFORMATION:

PageKom INTERCOMMUNICATION SYSTEM WIRE GUIDE

The following information will serve as a guide when designing a PageKom installation. It will help you determine the proper wire size in conjunction with the number of phones used in a system.

Conductors


"TALK" PAIR
LINE 1
1
2
3
4
TERMINAL STRIP IN PAGEKOM TELEPHONE.
TERM. 4 IS THE COMMON SIDE OF TALK LINE #1.
SHIELD

SHIELDED CABLE DETAIL

The PageKom Intercommunication System requires five conductors for the one line version (phone models PK101-W, PK201-W and PK301-D) and eight conductors for the two line version (phone models PK100-W, PK200-W and PK300-D). In addition, two conductors are required for models PK201-W, PK200-W, PK301-D and PK300-D speaker lines. You may run ten conductors on the model PK100-W or you may run eight conductor cables for all PK100-W stations and ten conductor cables for the PK200-W, PK300-D stations and the PKC24-30 control unit. The option you choose will largely depend upon the physical layout. As an example, if the PK100-W stations are interspersed, using ten conductor cable throughout might be advisable. Whatever your choice, we do recommend twisted pair or shielded pair cable. This shield should be connected to the "common" side of talk path (see Shielded Cable Detail). Twisted pair cable is usually satisfactory on smaller systems. In systems requiring long cable runs it is good practice to shield the "talk lines". Twisted pair cable has a certain amount of capacitance between conductors and on long runs can cause crosstalk.

We also suggest that the speaker line pair be used to power only the speakers in the PageKom phones. If high power horn speakers are used in the system a separate speaker line should be installed. Amplifier instability may result if a large speaker load is connected to the speaker line in the multi-pair cable.

Wire Size

The selection of the wire size is critical only on the busy lite circuits. Other circuits will operate efficiently with 22 gauge wire. The wire charts (below) allow the installer to select a suitable wire size for the busy lite circuits. The chart, however, is only an approximation. The six volt drop is used as the criteria for selecting the next larger wire size. It is assumed that a six volt drop will not appreciably affect the lamp brightness. For more accurate information, each system must be calculated separately.

Wire Chart for One Line PageKom
(PK101-W, PK201-W, PK301-D)

CABLE LENGTH (FT.)	**1000**	22	22	22	20	20	18	18	18	18	18	16	
	900	22	22	22	20	20	18	18	18	18	18	16	
	800	22	22	22	20	20	20	18	18	18	18	16	16
	700	22	22	22	22	20	20	20	18	18	18	16	16
	600	22	22	22	22	22	20	20	20	18	18	18	16
	500	22	22	22	22	22	22	22	20	20	20	18	16
	400	22	22	22	22	22	22	22	22	20	20	20	18
	300	22	22	22	22	22	22	22	22	22	22	20	20
	200	22	22	22	22	22	22	22	22	22	22	22	22
	100	22	22	22	22	22	22	22	22	22	22	22	22
		2	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**	**25**	**30**
		NUMBER OF PHONES											

Wire Chart for Two Line PageKom
(PK100-W, PK200-W, PK300-D)

CABLE LENGTH (FT.)	**1000**	22	18	16	16	14	14	14					
	900	22	20	18	16	16	14	14	14				
	800	22	20	18	18	16	14	14	14	14			
	700	22	20	18	18	16	16	14	14	14	14		
	600	22	22	20	18	16	16	16	14	14	14		
	500	22	22	20	18	18	16	16	16	16	14	14	
	400	22	22	20	20	18	18	18	16	16	16	14	14
	300	22	22	22	20	20	20	18	18	18	16	16	16
	200	22	22	22	22	22	20	20	20	20	18	18	16
	100	22	22	22	22	22	22	22	22	22	22	20	18
		2	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**	**25**	**30**
		NUMBER OF PHONES											

To use the wire charts follow these simple steps:

(a) Determine the number of phone stations.

(b) Determine the length of cable in feet needed for the station busy lites.

(c) Select the number of phones to be used on the horizontal line on the chart.

(d) Then read vertically to the correct wire length in feet. The number in the square will be the recommended wire size.

The following table will be useful when 22 gauge wire is parallelled to obtain other gauges.

Seven 22 ga. wires in parallel = 14 gauge
Four 22 ga. wires in parallel = 16 gauge
Three 22 ga. wires in parallel = 18 gauge
Two 22 ga. wires in parallel = 20 gauge

For more information on Soundolier's one and two line PageKom systems, write:
Department SL 1146, Soundolier, Inc., 9380 Watson Industrial Park, St. Louis, Mo. 63126.

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

SL 1146

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INSTANT
BAFFLE AND ENCLOSURE MOUNTING GUIDE

This handy guide will assist you in choosing the correct back enclosure or mounting ring for your Soundolier baffle.

We have listed the entire Soundolier line of baffles in numerical/alphabetical order. Opposite the baffle model number is listed the correct enclosures or mounting rings that will mount to the baffle.

On page 3, we have listed the entire line of our back enclosures and mounting rings, with the correct baffles listed opposite the enclosure or mounting ring model number.

BAFFLES

Baffle	Mounting Ring	Enclosure
10-8	75-8, P77-8, P78-8 75-8E1, 75-8E2	95-8, 199-8 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP
10-8R	75-8, P77-8, P78-8 75-8E1, 75-8E2	95-8, 199-8, 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP
12-8	75-8, P77-8, P78-8, 75-8E1, 75-8E2	95-8, 199-8 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP
15-8	75-8, P77-8, P78-8 75-8E1, 75-8E2	95-8, 199-8 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP
17-8	75-8, P77-8, P78-8, 75-8E1, 75-8E2	95-8, 199-8 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP
18-8	71-8, 71-8E1, 71-8E2	191-78—5″ DEEP
23-8 (SURFACE)	NONE	NONE
24-8 (SURFACE)	NONE	NONE
51-4	76-4	96-4, 96-4X
51-8	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
60-4	76-4	96-4, 96-4X
60-8	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
60-12	75-12	95-12
61-8	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
61-12	75-12	95-12
62-8	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
63-8	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
63-12	75-10	95-10
66-8	75-10	95-10
66-12	75-12	95-12
67-8	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
68-8	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
110-8	NONE	NONE
110-12	NONE	NONE
112-8	NONE	NONE
160-8 SWG	72-8, 72-8E1, 72-8E2	198-8, 198-8—5″ DEEP

BAFFLES CONTINUED

Baffle	Mounting Ring	Enclosure
160-8SWA	72-8, 72-8E1, 72-8E2	198-8, 198-8—5″ DEEP
160-8AL	72-8, 72-8E1, 72-8E2	198-8, 198-8—5″ DEEP
161-4	NONE	198-4 (RECESSED) SE198-4 (SURFACE)
161-8	72-8, 72-8E1, 72-8E2	198-8, 198-8—5″ DEEP SE175-4 (SURFACE)
164-8	71-8, 71-8E1, 71-8E2	191-78, 191-78—5″ DEEP SM191-78 (SURFACE) Q418, Q438, Q458
164-12	NONE	Q4412, Q4612 Q4712, Q4812
164-15	NONE	Q4915
165-8	75-8, P77-8, P78-8 75-8E1, 75-8E2,	95-8, 199-8 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP
165-12	75-12	95-12
166-8	NONE	197-78
169-8	73-8, 73-8E1, 73-8E2	193-8, 193-8—5″ DEEP
170-8	75-8, 76-8, P77-8 P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
210-8 (SURFACE)	NONE	NONE
210-12 (SURFACE)	NONE	NONE
212-8 (SURFACE)	NONE	NONE
260-8 (SURFACE)	NONE	NONE
310-8 (SURFACE)	NONE	NONE
310-12 (SURFACE)	NONE	NONE
312-8 (SURFACE)	NONE	NONE
315-8 (SURFACE)	NONE	NONE
410-4 (SURFACE)	NONE	NONE
410-8 (SURFACE)	NONE	NONE
415-8 (SURFACE)	NONE	NONE
420-8 (SURFACE)	NONE	NONE
510-4 (SURFACE)	NONE	NONE
510-8 (SURFACE)	NONE	NONE
512-8 (SURFACE)	NONE	NONE
820-89	NONE	192-89
820-812	NONE	192-812
830-89	NONE	194-89 SM194-89 (SURFACE)
830-812	NONE	194-812 SM194-812 (SURFACE)
840-89	NONE	195-89 SM195-89 (SURFACE)

Baffle	Mounting Ring	Enclosure
840-812	NONE	195-812 SM195-812 (SURFACE)
G22-8	NONE	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
L20-100	L20-220 L20-221 L20-222	L20-200 L20-201
L20-101	L20-223 L20-224 L20-225	L20-210 L20-211 L20-212 (SURFACE) L20-213 (SURFACE)
L20-102 (SURFACE)	NONE	NONE
M222	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
M222W	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
NC850	NONE	E850
P900	75-8, 76-8, P77-8, P78-8, 75-8E1, 76-8E1, 75-8E2, 76-8E2, 81-8	95-8, 96-8, 199-8, Q408 95-8—5″ DEEP 95-8—7″ DEEP 95-8—10″ DEEP 96-8—5″ DEEP 96-8—7″ DEEP 96-8—10″ DEEP
P910	73-8, 73-8E1, 73-8E2	193-8, 193-8—5″ DEEP
P912	72-8, 72-8E1, 72-8E2	198-8, 198-8—5″ DEEP
T51-4	PR411	E410
T51-8	T75-8, T75-8E1, T75-8E2	T95-8 T95-8—5″ DEEP T95-8—7″ DEEP T95-8—10″ DEEP
T60-4	PR411	E410
T60-8	T75-8, T75-8E1, T75-8E2	T95-8 T95-8—5″ DEEP T95-8—7″ DEEP T95-8—10″ DEEP
T61-8	T75-8, T75-8E1, T75-8E2	T95-8 T95-8—5″ DEEP T95-8—7″ DEEP T95-8—10″ DEEP
T67-8	T175-8	T195-8
T161-8	T72-8, T72-8E1, T72-8E2	SE175-4 T198-8 T198-8—5″ DEEP
T164-8	T71-8, T71-8E1, T71-8E2	T191-78 T191-78—5″ DEEP
T610-8	T75-8, T75-8E1, T75-8E2	T95-8 T95-8—5″ DEEP T95-8—7″ DEEP T95-8—10″ DEEP

BAFFLES CONTINUED

Baffle	Mounting Ring	Enclosure
T620-8	T72-8, T72-8E1, T72-8E2	T198-8 T198-8—5" DEEP SE175-4 (SURFACE)
T710-4	PR411	E410
T710-8	T75-8, T75-8E1, T75-8E2	T95-8 T95-8—5" DEEP T95-8—7" DEEP T95-8—10" DEEP
T720-4	PR411	E410
T720-8	T75-8, T75-8E1 T75-8E2	T95-8 T95-8—5" DEEP T95-8—7" DEEP T95-8—10" DEEP
T730-4	PR412	E49
T730-8	T175-8	T195-8
TM222	T75-8, T75-8E1, T75-8E2	T95-8 T95-8—5" DEEP T95-8—7" DEEP T95-8—10" DEEP

Baffle	Mounting Ring	Enclosure
TM222-W	T75-8, T75-8E1, T75-8E2	T95-8 T95-8—5" DEEP T95-8—7" DEEP T95-8—10" DEEP
VP60-R	75-8, 75-8E1, 75-8E2, 76-8, 76-8E1, 76-8E2, 81-8	Q408, 95-8, 96-8, 95-8—5" DEEP 95-8—7" DEEP 95-8—10" DEEP 96-8—5" DEEP 96-8—7" DEEP 96-8—10" DEEP
VP401-S (SURFACE)	NONE	NONE
VP510-B (SURFACE)	NONE	NONE
X44 (SURFACE)	NONE	NONE
X45 (SURFACE)	NONE	NONE
X46 (SURFACE)	NONE	NONE
X47 (SURFACE)	NONE	NONE

ENCLOSURES AND MOUNTING RINGS

Model	Mounting Ring	Enclosure	Baffles
71-8	✓		164-8
71-8E1	✓		164-8
71-8E2	✓		164-8
72-8	✓		160-8, 161-8, P912
72-8E1	✓		160-8, 161-8, P912
72-8E2	✓		160-8, 161-8, P912
73-8	✓		169-8, P910
73-8E1	✓		169-8, P910
73-8E2	✓		169-8, P910
75-8	✓		10-8, 10-8R, 12-8, 15-8, 17-8, 51-8 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, M222, M222W, P900, VP60-R
75-8E1	✓		10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, M222, M222W, P900, VP60-R
75-8E2	✓		10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, M222, M222W, P900, VP60-R
75-10	✓		63-12, 66-8
76-4	✓		51-4, 60-4
76-8	✓		51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, M222, M222W, P900, VP60-R
76-8E1	✓		51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, M222, M222W, P900, VP60-R
76-8E2	✓		51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, M222, M222W, P900, VP60-R
81-8	✓		51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, M222, M222W, P900, VP60-R

Model	Mounting Ring	Enclosure	Baffles
95-8		✓	10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, G22-8, M222, M222W, P900, VP60-R
95-8—5" DEEP		✓	10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, G22-8, M222, M222W, P900, VP60-R
95-8—7" DEEP		✓	10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, G22-8, M222, M222W, P900, VP60-R
95-8—10" DEEP		✓	10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, G22-8, M222, M222W, P900, VP60-R
95-10		✓	63-12, 66-8
95-12		✓	60-12, 61-12, 66-12, 165-12
96-4		✓	51-4, 60-4
96-4X		✓	51-4, 60-4
96-8		✓	51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, G22-8, M222, M222W, P900, VP60-R
96-8—5" DEEP		✓	51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, G22-8, M222, M222W, P900, VP60-R
96-8—7" DEEP		✓	51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, G22-8, M222, M222W, P900, VP60-R
96-8—10" DEEP		✓	51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 170-8, G22-8, M222, M222W, P900, VP60-R

ENCLOSURES AND MOUNTING RINGS CONTINUED

Model	Mounting Ring	Enclosure	Baffles
191-78		✓	164-8
191-78—5″DEEP		✓	164-8, 18-8
192-89		✓	820-89
192-812		✓	820-812
193-8		✓	169-8, P910
193-8—5″DEEP		✓	169-8, P910
194-89		✓	830-89
194-812		✓	830-812
195-89		✓	840-89
195-812		✓	840-812
197-78		✓	166-8
198-4		✓	161-4
198-8		✓	160-8 SWG, 161-8 160-8 SWA, P912 160-8 AL
198-8—5″DEEP		✓	160-8 SWG, 161-8 160-8 SWA, P912 160-8 AL
199-8		✓	10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 68-8, 165-8, 170-8, G22-8, M222, M222W, P900
E49		✓	T730-4
E410		✓	T51-4. T60-4. T710-4. T720-4
E850		✓	NC850
L20-200		✓	L20-100
L20-201		✓	L20-100
L20-210		✓	L20-101
L20-211		✓	L20-101
L20-212 (SURFACE)		✓	L20-101
L20-213 (SURFACE)		✓	L20-101
L20-220	✓		L20-100
L20-221	✓		L20-100
L20-222	✓		L20-100
L20-223	✓		L20-101
L20-224	✓		L20-101
L20-225	✓		L20-101
P77-8	✓		10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, M222, M222W, P900
P78-8	✓		10-8, 10-8R, 12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, M222, M222W, P900
PR411	✓		T51-4, T60-4, T710-4, T720-4
PR412	✓		T730-4
Q408		✓	51-8, 60-8. 61-8. 62-8. 63-8, 67-8. 68-8. 170-8. G22-8. M222. M222W. P900. VP60-R
Q418		✓	164-8

Model	Mounting Ring	Enclosure	Baffles
Q428-S (SURFACE)		✓	NONE
Q438		✓	164-8
Q458		✓	164-8
Q4412		✓	164-12
Q4612		✓	164-12
Q4712		✓	164-12
Q4812		✓	164-12
Q4915		✓	164-15
SE175-4 (SURFACE)		✓	161-8, T620-8, T161-8
SE198-4 (SURFACE)		✓	161-4
SM191-78 (SURFACE)		✓	164-8
SM194-89 (SURFACE)		✓	830-89
SM194-812 (SURFACE)		✓	830-812
SM195-89 (SURFACE)		✓	840-89
SM195-812 (SURFACE)		✓	840-812
T71-8	✓		T164-8
T71-8E1	✓		T164-8
T71-8E2	✓		T164-8
T72-8	✓		T161-8, T620-8
T72-8E1	✓		T161-8, T620-8
T72-8E2	✓		T161-8, T620-8
T75-8	✓		T51-8, T60-8, T61-8, T610-8, T710-8, T720-8, TM222, TM222-W
T75-8E1	✓		T51-8, T60-8, T61-8, T610-8, T710-8, T720-8, TM222, TM222-W
T75-8E2	✓		T51-8, T60-8, T61-8, T610-8, T710-8, T720-8, TM222, TM222-W
T95-8		✓	T51-8, T60-8, T61-8, T610-8, T710-8, T720-8, TM222, TM222-W
T95-8—5″DEEP		✓	T51-8, T60-8, T61-8, T610-8, T710-8, T720-8, TM222, TM222-W
T95-8—7″DEEP		✓	T51-8, T60-8, T61-8, T610-8, T710-8, T720-8, TM222, TM222-W
T95-8—10″DEEP		✓	T51-8, T60-8, T61-8, T610-8, T710-8, T720-8, TM222, TM222-W
T175-8	✓		T730-8
T191-78		✓	T164-8
T195-8		✓	T730-8
T198-8		✓	T161-8, T620-8
T198-8—5″DEEP		✓	T161-8, T620-8

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X46	10

*Last number indicates depth in inches.

For products other than baffles, see index on page 2 of your Soundolier price list.

soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

DISTRIBUTOR NET
PRICE LIST
JANUARY, 1979

NEW CABINET ACCESSORIES

Freight Policy C

F.O.B. St. Louis, Missouri. No freight allowance.

Model No.	List	Dealer Net	**DISTRIBUTOR NET**
600-12 (Wall Mount Cabinet)	117.63	70.58	**47.05**
MVX-195 (Monitor Panel)	199.95	119.97	**79.98**
DK19-3 (Writing Desk)	45.88	27.53	**18.35**
AS-100 (Amplifier Shelf)	23.13	13.88	**9.25**
AS-120 (Amplifier Shelf)	25.63	15.38	**10.25**

SL1216
Printed in U.S.A.

soundolier

INSTANT
BAFFLE AND ENCLOSURE MOUNTING GUIDE

This handy guide will assist you in choosing the correct protective enclosure or mounting ring for your Soundolier baffle.

We have listed the entire Soundolier line of baffles in numerical / alphabetical order. Opposite the baffle model number is listed the correct enclosures or mounting rings that will mount to the baffle.

On pages 3 and 4, we have listed the entire line of our protective enclosures and mounting rings, with the correct baffles listed opposite the enclosure or mounting ring model number.

BAFFLES

Baffle	Mounting Ring	Enclosure
10-8	75-8,P77-8,P78-8 75-8E1,75-8E2	95-8,199-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
10-8R	75-8,P77-8,P78-8 75-8E1,75-8E2	95-8,199-8, 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
12-8	75-8,P77-8,P78-8, 75-8E1,75-8E2	95-8,199-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
15-8	75-8,P77-8,P78-8 75-8E1,75-8E2	95-8,199-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
16-4	74-SL	185-SL
16-8	74-SL	185-SL
17-8	75-8,P77-8,P78-8, 75-E1,75-8E2	95-8,199-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
18-8	71-8,71-8E1,71-8E2	191-78—5'' DEEP
19-8	71-8,71-8E1,71-8E2	191-78,191-78—5'' DEEP SM191-78,Q418, Q438,Q458
23-8 (SURFACE)	NONE	NONE
24-8 (SURFACE)	NONE	NONE
51-4	76-4	96-4,96-4X
51-8	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
60-4	76-4	96-4,96-4X
60-8(W)	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8 Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
60-12	75-12	95-12
61-8(W)	75-8,76-8,P77-8 P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
61-12	75-12	95-12
62-8	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
63-8	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
63-12	75-10	95-10
66-8	75-10	95-10
66-12	75-12	95-12
67-8	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
68-8	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
110-8	NONE	NONE
110-12	NONE	NONE
112-8	NONE	NONE
160-8SWG	72-8,72-8E1,72-8E2	198-8, 198-8—5'' DEEP
160-8SWA	72-8,72-8E1,72-8E2	198-8, 198-8—5'' DEEP
160-8AL	72-8,72-8E1,72-8E2	198-8, 198-8—5'' DEEP
161-4	NONE	198-4 (RECESSED) SE198-4 (SURFACE)
161-8	72-8,72-8E1,72-8E2	198-8, 198-8—5'' DEEP SE175-4 (SURFACE)
164-8	71-8,71-8E1,71-8E2	191-78, 191-78—5'' DEEP SM191-78 (SURFACE) Q418,Q438,Q458
164-12	NONE	Q4412,Q4612 Q4712,Q4812
164-15	NONE	Q4915
165-8	75-8,P77-8,P78-8 75-8E1,75-8E2,	95-8,199-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
165-12	75-12	95-12
166-8	NONE	197-78
169-8	73-8,73-8E1,73-8E2	193-8, 193-8—5'' DEEP
170-8	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP

SL1134A
Supersedes SL1134
Printed in U.S.A.

BAFFLES CONTINUED

Baffle	Mounting Ring	Enclosure
210-8 (SURFACE)	NONE	NONE
210-12 (SURFACE)	NONE	NONE
212-8 (SURFACE)	NONE	NONE
260-8 (SURFACE)	NONE	NONE
310-8 (SURFACE)	NONE	NONE
310-12 (SURFACE)	NONE	NONE
312-8 (SURFACE)	NONE	NONE
315-8 (SURFACE)	NONE	NONE
410-4 (SURFACE)	NONE	NONE
410-8(W) (SURFACE)	NONE	NONE
415-8 (SURFACE)	NONE	NONE
420-8 (SURFACE)	NONE	NONE
510-4 (SURFACE)	NONE	NONE
510-8(W) (SURFACE)	NONE	NONE
512-8 (SURFACE)	NONE	NONE
612-4 (SURFACE)	NONE	NONE
612-8 (SURFACE)	NONE	NONE
820-89	NONE	192-89
820-812	NONE	192-812
830-89	NONE	194-89 SM194-89 (SURFACE)
830-812	NONE	194-812 SM194-812 (SURFACE)
840-89	NONE	195-89 SM195-89 (SURFACE)
840-812	NONE	195-812 SM195-812 (SURFACE)
F64-8	75-8,75-8E1,75-8E2, 76-8,76-8E1,76-8E2, P77-8,P78-8,81-8	95-8,95-8-5'' DEEP 95-8-7'',95-8-10'' DEEP 96-8,96-8-5'' DEEP 96-8-7'',96-8-10'' DEEP 199-8,Q408
F171-8	72-8,72-8E1,72-8E2	198-8, 198-8—5'' DEEP
G22-8	NONE	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
L20-100	L20-220 L20-221 L20-222	L20-200 L20-201
L20-101	L20-223 L20-224 L20-225	L20-210 L20-211 L20-212 (SURFACE) L20-213 (SURFACE)
L20-102 (SURFACE)	NONE	NONE
M222	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
M222W	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
NC850	NONE	E850
P900	75-8,76-8,P77-8, P78-8,75-8E1, 76-8E1,75-8E2, 76-8E2,81-8	95-8,96-8,199-8, Q408 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP

Baffle	Mounting Ring	Enclosure
P910	73-8,73-8E1,73-8E2	193-8,193-8—5'' DEEP
P912	72-8,72-8E1,72-8E2	198-8,198-8—5'' DEEP
QF164-8	NONE	Q418,Q438,Q458
QF164-12	NONE	Q4412,Q4612, Q4712,Q4812
QF164-15	NONE	Q4915
QF38	NONE	NONE
QF412	NONE	NONE
QF58	NONE	NONE
QF612	NONE	NONE
QF712	NONE	NONE
QF812	NONE	NONE
QF915	NONE	NONE
T19-8	T71-8,T71-8E1,T71-8E2	T191-78, T191-78—5'' DEEP
T51-4	PR411	E410
T51-8	T75-8,T75-8E1, T75-8E2	T95-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
T60-4	PR411	E410
T60-8	T75-8,T75-8E1, T75-8E2	T95-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
T61-8	T75-8,T75-8E1, T75-8E2	T95-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
T67-8	T171-8	T195-8
T161-8	T72-8,T72-8E1, T72-8E2	SE175-4 T198-8 T198-8—5'' DEEP
T164-8	T71-8,T71-8E1, T71-8E2	T191-78 T191-78—5'' DEEP
T610-8	T75-8,T85-8E1, T75-8E2	T95-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
T620-8	T72-8,T72-8E1, T72-8E2	T198-8 T198-8—5'' DEEP SE175-4 (SURFACE)
T710-4	PR411	E410
T710-8	T75-8,T75-8E1, T75-8E2	T95-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
T720-4	PR411	E410
T720-8	T75-8,T75-8E1, T75-8E2	T95-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
T730-4	PR412	E49
T730-8	T175-8	T195-8
TM222	T75-8,T75-8E1, T75-8E2	T95-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
TM222-W	T75-8,T75-8E1, T75-8E2	T95-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP
VP60-R	75-8,75-8E1,75-8E2, 76-8,76-8E1,76-8E2, 81-8	Q408,95-8,96-8 95-8—5'' DEEP 95-8—7'' DEEP 95-8—10'' DEEP 96-8—5'' DEEP 96-8—7'' DEEP 96-8—10'' DEEP
VP161-APF	73-8,73-8E1,73-8E2	193-8-5'' L20-211*
VP161-MM2F	73-8,73-8E1,73-8E2	193-8-5'' DEEP
VP161-PA12F	73-8,73-8E1,73-8E2	193-8-5'' DEEP
VP161-R4	73-8,73-8E1,73-8E2	193-8,193-8-5'' DEEP
VP161-R8	73-8,73-8E1,73-8E2	193-8,193-8-5'' DEEP
VP410-S (SURFACE)	NONE	NONE

BAFFLES CONTINUED

Baffle	Mounting Ring	Enclosure
VP510-B (SURFACE)	NONE	NONE
X44 (SURFACE)	NONE	NONE
X45 (SURFACE)	NONE	NONE
X46 (SURFACE)	NONE	NONE
X47 (SURFACE)	NONE	NONE
X48 (SURFACE)	NONE	NONE

Baffle	Mounting Ring	Enclosure
X8409	NONE	NONE
X8414	NONE	NONE
X8500	NONE	NONE
X8609	NONE	NONE
X8614	NONE	NONE
X8800	NONE	NONE

*The L20-211 must be used when mounting an Atlas APF-15T with enclosed line transformer.

ENCLOSURES AND MOUNTING RINGS

Model	Mounting Ring	Enclosure	Baffles
71-8	✓		19-8,164-8
71-8E1	✓		19-8,164-8
71-8E2	✓		19-8,164-8
72-8	✓		160-8,161-8,F171-8,P912
72-8E1	✓		160-8,161-8,F171-8,P912
72-8E2	✓		160-8,161-8,F171-8,P912
73-8	✓		169-8,P910 VP161-R4,VP161-R8, VP161-MM2F VP161-PA12F VP161-APF
73-8E1	✓		169-8,P910 VP161-R4,VP161-R8, VP161-MM2F VP161-PA12F VP161-APF
73-8E2	✓		169-8,P910 VP161-R4,VP161-R8, VP161-MM2F VP161-PA12F VP161-APF
74-SL	✓		16-4,16-8
75-8	✓		10-8,10-8R,12-8, 15-8,17-8,51-8, 60-8,61-8,62-8,63-8, 67-8,68-8,165-8,170-8, F64-8,M222,M222W, P900,VP60-R
75-8E1	✓		10-8,10-8R,12-8, 15-8,17-8,51-8, 60-8,61-8,62-8,63-8, 67-8,68-8,165-8,170-8, F64-8,M222,M222W, P900,VP60-R
75-8E2	✓		10-8,10-8R,12-8, 15-8,17-8,51-8, 60-8,61-8,62-8,63-8, 67-8,68-8,165-8,170-8, F64-8,M222,M222W, P900,VP60-R
75-10	✓		63-12,66-8
76-4	✓		51-4,60-4
76-8	✓		51-8,60-8,61-8,62-8, 63-8,67-8,68-8,170-8, F64-8,M222,M222W, P900,VP60-R
76-8E1	✓		51-8,60-8,61-8,62-8, 63-8,67-8,68-8,170-8, F64-8,M222,M222W, P900,VP60-R
76-8E2	✓		51-8,60-8,61-8,62-8, 63-8,67-8,68-8,170-8, F64-8,M222,M222W, P900,VP60-R
81-8	✓		51-8,60-8,61-8,62-8, 63-8,67-8,68-8,170-8, F64-8,M222,M222W, P900,VP60-R
95-8		✓	10-8,10-8R,12-8, 15-8,17-8,51-8, 60-8,61-8,62-8,63-8, 67-8,68-8,165-8,170-8, F64-8,G22-8,M222, M222W,P900,VP60-R
95-8—5" DEEP		✓	10-8,10-8R,12-8, 15-8,17-8,51-8, 60-8,61-8,62-8,63-8, 67-8,68-8,165-8,170-8, F64-8,G22-8,M222, M222W,P900,VP60-R

Model	Mounting Ring	Enclosure	Baffles
95-8—7" DEEP		✓	10-8,10-8R,12-8, 15-8,17-8,51-8, 60-8,61-8,62-8,63-8, 67-8,68-8,165-8,170-8, F64-8,G22-8,M222, M222W,P900,VP60-R
95-8—10" DEEP		✓	10-8,10-8R,12-8, 15-8,17-8,51-8, 60-8,61-8,62-8,63-8, 67-8,68-8,165-8,170-8, F64-8,G22-8,M222, M222W,P900,VP60-R
95-10		✓	63-12,66-8
95-12		✓	60-12,61-12,66-12, 165-12
96-4		✓	51-4,60-4
96-4X		✓	51-4,60-4
96-8		✓	51-8,60-8,61-8,62-8, 63-8,67-8,68-8,170-8, F64-8,G22-8,M222, M222W,P900,VP60-R
96-8—5" DEEP		✓	51-8,60-8,61-8,62-8, 63-8,67-8,68-8,170-8, F64-8,G22-8,M222, M222W,P900,VP60-R
96-8—7" DEEP		✓	51-8,60-8,61-8,62-8, 63-8,67-8,68-8,170-8, F64-8,G22-8,M222, M222W,P900,VP60-R
96-8—10" DEEP		✓	51-8,60-8,61-8,62-8, 63-8,67-8,68-8,170-8, F64-8,G22-8,M222, M222W,P900,VP60-R
185-SL		✓	16-4,16-8
191-78		✓	19-8,164-8
191-78—5" DEEP		✓	18-8,19-8,164-8
192-89		✓	820-89
192-812		✓	820-812
193-8		✓	169-8,P910, VP161-R4,VP161-R8, VP161-MM2F, VP161-PA12F, VP161-APF
193-8—5" DEEP		✓	169-8,P910, VP161-R4,VP161-R8, VP161-MM2F, VP161-PA12F, VP161-APF
194-89		✓	830-89
194-812		✓	830-812
195-89		✓	840-89
195-812		✓	840-812
197-78		✓	166-8
198-4		✓	161-4
198-8		✓	160-8 SWG, 161-8 160-8 SWA, P912, 160-8 AL, F171-8
198-8—5" DEEP		✓	160-8 SWG, 161-8 160-8 SWA, P912, 160-8 AL,F171-8
199-8		✓	10-8,10-8R,12-8, 15-8,17-8,51-8, 60-8,61-8,62-8,63-8, 67-8,68-8,165-8,170-8, F64-8,G22-8,M222, M222W,P900
E49		✓	T730-4

ENCLOSURES AND MOUNTING RINGS CONTINUED

Model	Mounting Ring	Enclosure	Baffles
E410		✓	T51-4, T60-4, T710-4, T720-4
E850		✓	NC850
L20-200		✓	L20-100
L20-201		✓	L20-100
L20-210		✓	L20-101
L20-211		✓	L20-101,VP161-APF
L20-212(SURFACE)		✓	L20-101
L20-213(SURFACE)		✓	L20-101
L20-220	✓		L20-100
L20-221	✓		L20-100
L20-222	✓		L20-100
L20-223	✓		L20-101
L20-224	✓		L20-101
L20-225	✓		L20-101
P77-8	✓		10-8,10-8R,12-8,15-8,17-8,51-8,60-8,61-8,62-8,63-8,67-8,68-8,165-8,170-8,F64-8,M222,M222W,P900
P78-8	✓		10-8,10-8R,12-8,15-8,17-8,51-8,60-8,61-8,62-8,63-8,67-8,68-8,165-8,170-8,F64-8,M222,M222W,P900
PR411	✓		T51-4,T60-4,T710-4,T720-4,
PR412	✓		T730-4
Q408		✓	51-8,60-8,61-8,62-8,63-8,67-8,68-8,170-8,F64-8,G22-8,M222,M222W,P900,VP60-R
Q418		✓	19-8,164-8,QF164-8
Q428-S (SURFACE)		✓	NONE
Q438		✓	19-8,164-8,QF164-8
Q458		✓	19-8,164-8,QF164-8
Q4412		✓	164-12,QF164-12
Q4612		✓	164-12,QF164-12
Q4712		✓	164-12,QF164-12
Q4812		✓	164-12,QF164-12
Q4915		✓	164-15,QF164-15

Model	Mounting Ring	Enclosure	Baffles
SE175-4 (SURFACE)		✓	161-8,T620-8,T161-8
SE198-4 (SURFACE)		✓	161-4
SM191-78 (SURFACE)		✓	19-8,164-8
SM194-89 (SURFACE)		✓	830-89
SM194-812 (SURFACE)		✓	830-812
SM195-89 (SURFACE)		✓	840-89
SM195-812 (SURFACE)		✓	840-812
T71-8	✓		T19-8,T164-8
T71-8E1	✓		T19-8,T164-8
T71-8E2	✓		T19-8,T164-8
T72-8	✓		T161-8,T620-8
T72-8E1	✓		T161-8,T620-8
T72-8E2	✓		T161-8,T620-8
T75-8	✓		T51-8,T60-8,T61-8,T610-8,T710-8,T720-8,TM222,TM222-W
T75-8E1	✓		T51-8,T60-8,T61-8,T610-8,T710-8,T720-8,TM222,TM222-W
T75-8E2	✓		T51-8,T60-8,T61-8,T610-8,T710-8,T720-8,TM222,TM222-W
T95-8		✓	T51-8,T60-8,T61-8,T610-8,T710-8,T720-8,TM222,TM222-W
T95-8—5" DEEP		✓	T51-8,T60-8,T61-8,T610-8,T710-8,T720-8,TM222,TM222-W
T95-8—7" DEEP		✓	T51-8,T60-8,T61-8,T610-8,T710-8,T720-8,TM222,TM222-W
T95-8—10" DEEP		✓	T51-8,T60-8,T61-8,T610-8,T710-8,T720-8,TM222,TM222-W
T175-8	✓		T730-8
T191-78		✓	T19-8,T164-8
T195-8		✓	T730-8
T198-8		✓	T161-8,T620-8
T198-8—5" DEEP		✓	T161-8,T620-8

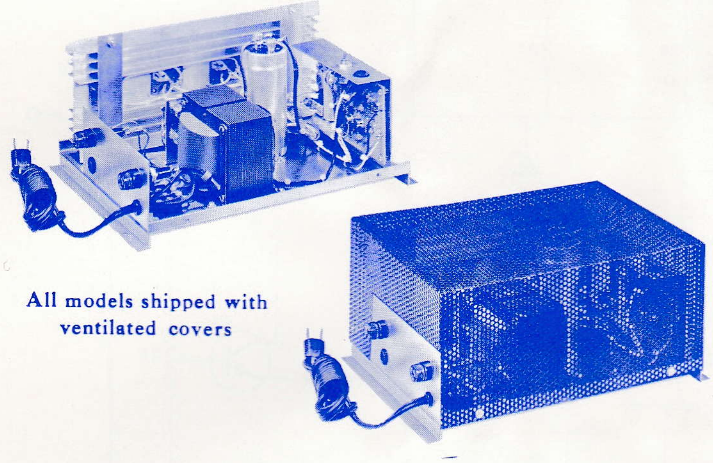
ELECTRONIC ACCESSORIES

Description	Model or Series	Specifications
Regulated DC Power Supply	RPS24-40	4 Amps
" " " "	RPS24-20	2 Amps
" " " "	RPS24-10	1 Amp
Filtered AC/DC Power Supply	FPS24-20	2 Amps
" " " "	CFPS24-20	2 Amps (with cover)
Heavy Duty DC Power Supply	PS24-100	10 Amps
" " " " "	PS24-50	5 Amps
" " " " "	PS24-32	3.2 Amps
General Purpose DC Power Supply	PS24-20	2 Amps
" " " " "	PS24-05	.5 Amp
" " " " "	PS24-07	.7 Amp
Relays	PR22	Plug-in, DPDT
"	OR22	Open, DPDT
Plug-in Relay Chassis	PRC-1	Single Relay
" " "	PRC-2	Double Relay
Panel Mounting Rails	MR-1	
Power Supply-Relay Module	PSRM-1	Powered DPDT Relay
DC Relay Paks	RP22-2	2 Relays-Terminated
" " "	RP22-4	4 Relays-Terminated
" " "	RP22-6	6 Relays-Terminated
" " "	RP22-8	8 Relays-Terminated
" " "	RP22-10	10 Relays-Terminated
Communications Control Center	MPC-100	Blank Panel
" " "	MPC-106	Six Switches
" " "	MPC-112	Twelve Switches
" " "	MPC-206	Six Switches, wired
" " "	MPC-212	Twelve Switches, wired
Zone Page Powered Relay Pak	PSR-206	For MPC, six switches
" " " " "	PSR-212	For MPC, twelve switches
Deluxe Priority Attenuators	AT75-PA	Autotransformer, relay, 75 W
" " "	AT35-PA	Autotransformer, relay, 35 W
" " "	AT10-PA	Autotransformer, relay, 10 W
" " "	TA8-PA	T-PAD, relay, 8 Ohms
" " "	TA1500-PA	T-Pad, relay, 1500 Ohms
" " "	LA8-PA	L-Pad, relay, 8 Ohms
" " "	LA1500-PA	L-Pad, relay, 1500 Ohms
" " "	VC5K-PA	Potentiometer, relay, 5K Ohms
" " "	VC50-PA	Potentiometer, relay, 50 Ohms
Standard Attentuators	AT-75	Autotransformer, 75 Watts
" "	AT-35	Autotransformer, 35 Watts
" "	AT-10	Autotransformer, 10 Watts
" "	TA-8	T-Pad, 8 Ohms
" "	TA-1500	T-Pad, 1500 Ohms
" "	LA-8	L-Pad, 8 Ohms
" "	LA-1500	L-Pad, 1500 Ohms
" "	VC5K	Potentiometer, 5K Ohms
" "	VC50	Potentiometer, 50 Ohms
Tone Generator	GPS610	Single tone, with power supply
" "	G610	Single tone, without power supply
" "	GPS750	Three tones, with power supply

(list additions below)

REGULATED POWER SUPPLY

soundolier, inc.



All models shipped with ventilated covers

SPECIFICATIONS

	RPS24-40	RPS24-20	RPS24-10
Ripple	1.2mv RMS	1.2mv RMS	1.2mv RMS
Regulation (No Load to Full Load)	350mv	150mv	150mv
Input power	105-125 VAC, 60 cps	105-125 VAC, 60 cps	105-125 VAC, 60 cps
Maximum power	185 watts	93 watts	47 watts
Output voltage	22VDC to 32 VDC	22VDC to 32 VDC	22VDC to 26 VDC
Terminals	Barrier strip; Pos., Neg., Grd.	Barrier strip; Pos., Neg., Grd.	Barrier strip; Pos., Neg., Grd.
Finish (chassis)	Cadmium plated, gold irridescent finish	Cadmium plated, gold irridescent finish	Cadmium plated, gold irridescent finish
(cover)	Black	Black	Black
Weight	13½ lbs.	10 lbs.	6½ lbs.
Temperature	Ambient temp. 0-50°C	Ambient temp. 0-50°C	Ambient temp. 0-50°C
Ranges (output)	(22-26VDC) (26-32VDC)	(22-26VDC) (26-32VDC)	22-26 VDC

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The power supply shall be a Soundolier Model RPS24-40 (RPS24-20, RPS24-10) series regulated DC supply or approved equal. The series regulator shall consist of four (two, one) NPN power transistors which are heat sink mounted. It shall use two (two, a) zener diodes (diodes, diode) for the reference voltage. It shall have a ripple factor of 1.2 millivolts RMS (1.2mv RMS, 1.2mv RMS) at full load. The regulation shall vary no more than 350 millivolts (150 mv, 150 mv) from no load to full load. It shall have an output range from 22 volts to 32 volts (22 volts to 32 volts, 22 volts to 26 volts) at 4 amperes (2 amperes, 1 ampere). It shall be capable of operating in 0-50° C ambient temperature range. It shall be fused in the primary and the output.

MODEL RPS24-40

The Model RPS24-40 is a series-regulated DC power supply with a voltage range of 22 volts to 32 volts at 4 amperes. The change in output voltage is less than 350 millivolts at 24 volts from no load to full load and the ripple is less than 1.2 millivolts RMS at full load.

Four paralleled NPN power transistors are in series with the load circuit. A change in output voltage is detected by a differential amplifier which changes the base current of the series regulator transistors. The internal resistance is then varied accordingly thus nullifying the original change in voltage. Reverse-bias-connected zener diodes provide the reference voltage.

A wide voltage range with excellent regulation is accomplished through the use of two zener diodes, each operating over its optimum range. When the power supply is switched to the low voltage range, the proper diode is connected while the secondary voltage of the power transformer is reduced accordingly. This avoids overheating the series regulator. A three way tap on the primary side of the transformer allows the user to select the proper voltage for his conditions (105V, 117V, 130V). The unit is protected with two fuses. One is located on the primary side of the transformer and guards against excessive line current. The second is a fast acting instrument fuse located at the output and protects the transistors against shorted loads.

Large heat sinks are used to mount the series regulator transistors. All transistors are silicon semiconductors which are capable of optimum operation through wider temperature ranges. The rectifier bridge uses silicon diodes and has a 10 amp. rating. The filter capacitor is computer grade. All voltage terminals are covered and all controls are enclosed. The entire unit is extremely compact and light in weight. Complete with 6' power cord.

The RPS24-40 is ideal for dial telephone systems and transistorized equipment. The unit is particularly suited for use wherever excellent regulation and extremely low ripple is required.

MODEL RPS24-20

The Model RPS24-20 is similar to the RPS24-40 except that it delivers 2 amperes through a similar voltage range. The series regulator has two paralleled NPN power transistors instead of four. The power transformer is slightly smaller in size. The change in output voltage is less than 150 millivolts at 24 volts from no load to full load and the ripple is less than 1.2 millivolts RMS at full load.

MODEL RPS24-10

The Model RPS24-10 is similar to the RPS24-40 except that it delivers 1 ampere through a voltage range of 22 volts to 26 volts. The series regulator has one NPN power transistor instead of four. The power transformer is smaller in size. The change in output voltage is less than 150 millivolts at 24 volts from no load to full load and the ripple is less than 1.2 millivolts RMS at full load.

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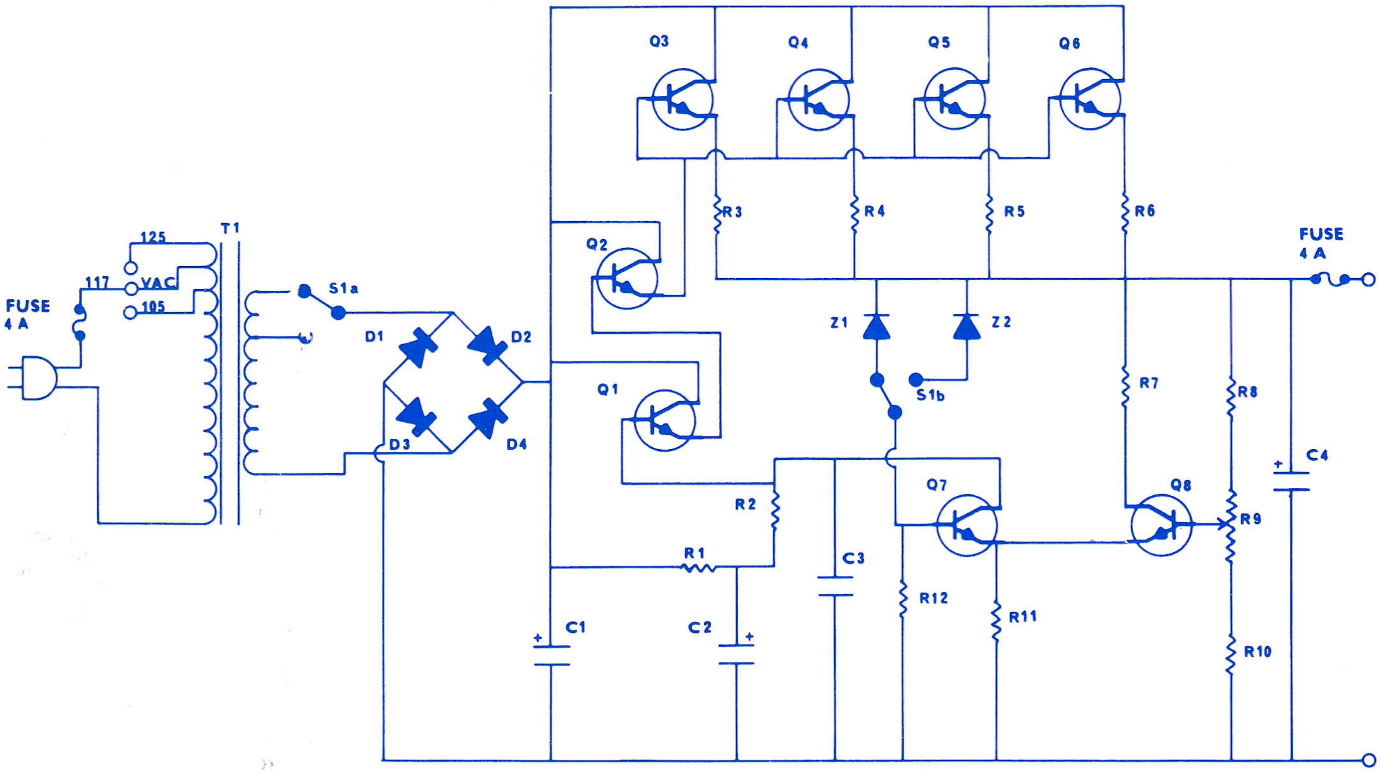
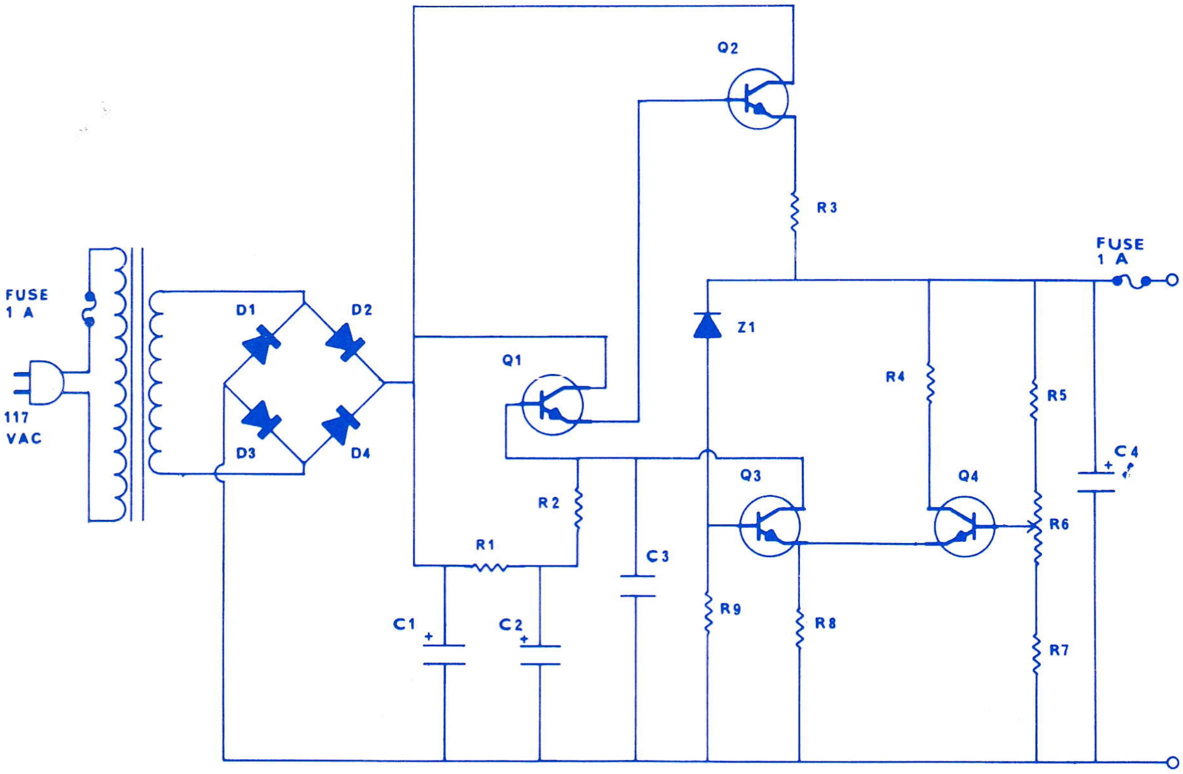
RPS24-40 SCHEMATIC DIAGRAM


Q3
Q4
Q5
Q6
R3
R4
R5
R6
Q2
FUSE
4 A
T1
125
117
VAC
105
FUSE
4 A
S1a
D1
D2
Z1
Z2
Q1
S1b
R7
R8
D3
D4
C4
Q7
Q8
R2
R9
R1
C3
R12
R11
C1
C2
R10

RPS24-20 utilizies same circuit except transistors
Q5 & Q6 are deleted.

RPS24-10 SCHEMATIC DIAGRAM

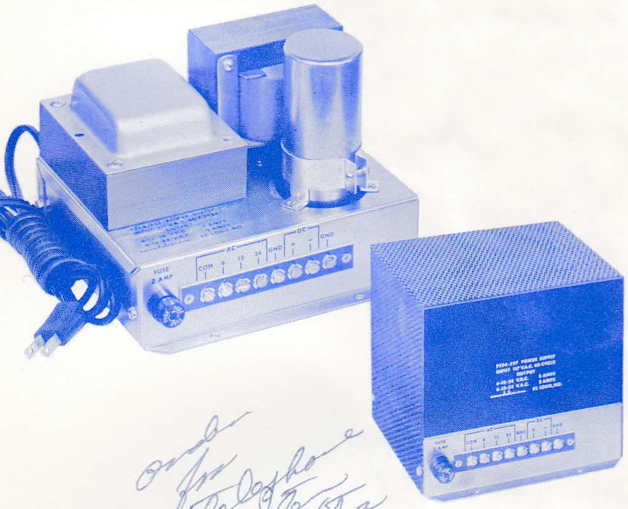

Q2
R3
FUSE
1 A
FUSE
1 A
D1
D2
Z1
Q1
R4
R5
117
VAC
C4
D3
D4
Q3
Q4
R2
R6
R1
C3
R9
R8
C1
C2
R7

AC-DC POWER SUPPLY

WELL REGULATED - LOW RIPPLE

ELECTRONIC ACCESSORIES / FPS24-20
CFPS24-20

soundolier, inc.



order for Telephone System Walkton Cove

TPS-24-20

SPECIFICATIONS:

Models FPS24-20
CFPS24-20

Input power: 117 VAC, 60 cycles, 100 watts
Output voltage*: Nominal 24 VDC at 2 amps
Nominal 12 VDC at 2 amps
Nominal 6 VDC at 2 amps
Nominal 24 VAC at 2 amps
Nominal 12 VAC at 2 amps
Nominal 6 VAC at 2 amps
(*AC and DC voltage outputs deliver 2 amps (maximum) simultaneously.)
Ripple: Less than .125% (30mv RMS) at 2 amps.
Terminals: DC= Positive, negative and ground.
AC= Common, 6 VAC, 12 VAC, 24 VAC and ground.
Size: FPS24-20 7-1/4" x 6-7/8" x 6" High
CFPS24-20 7-3/8" x 6-7/8" x 6-9/16" High
Finish: Cadmium plated with gold irridescent finish.
Weight: FPS24-20 12-1/2 lbs.
CFPS24-20 13-3/4 lbs.

Regulation:

	DC			AC		
Load Current	**6**	**12**	**24**	**6**	**12**	**24**
no load	6.2	13	27	6.6	13.3	26.5
.5 amp	5.2	12	26	6.58	13.2	26.25
1 amp	4.8	11.5	25	6.5	13.1	26.0
1.5 amp.	4.6	11.0	24	6.45	13.0	25.8
2 amp.	4.4	10.75	23	6.4	12.9	25.5

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The power supply shall be Soundolier Model FPS24-20 or approved equal. It shall be capable of supplying 2 amps at 24 VDC, 12 VDC or 6 VDC. It shall also be capable of supplying 2 amps at 24 VAC, 12 VAC or 6 VAC simultaneously. The ripple shall be less than .125% at full load. The regulation (DC) shall vary no more than 27 volts at no load to 23 volts at full load on the 24 VDC tap. It shall consume no more than 100 watts of 105/130 volts 60 cps AC. It shall be fused in the primary for maximum protection of the transformer. It shall have a choke input filter. The rectifier shall be full wave and consist of four silicon diodes.

The power supply shall be Soundolier Model CFPS24-20 or approved equal. Specifications shall be the same as Model FPS24-20 except it shall include a matching ventilated protective cover.

Model FPS24-20

The model FPS24-20 is a combination low voltage AC-DC power supply with a convertible DC output and a multiple tap AC output. The DC output delivers 24 volts at 2 amps, 12 volts at 2 amps and 6 volts at 2 amps. Conversion is accomplished simply and easily through the change of one plug-in lead. Instructions are clearly labeled on each unit. The DC section is shipped from the factory as 24 volts at 2 amps. In addition, the AC section deli[illegible] volts at 2 amps, 12 volts at 2 amps and 6 [illegible] at 2 amps. All three outputs are available at a clearly marked external terminal strip.

The power supply is fused in the primary of the transformer. The transformer is capable of handling 2 amps on any selected DC tap simultaneously with 2 amps on any AC tap, or a total of 4 amps. Silicon rectifiers are used to lower the internal resistance for improved regulation. A choke input filter adds to the increased regulation while the computer grade capacitor improves filtering. The net result is a ripple of less than .125% at full load and a variation in output voltage of 4 volts from no load to full load on the 24 volt tap (see chart). The excellent specifications make this unit suitable for many telephone, intercom and annunciator applications. In addition, the FPS24-20 is useful in powering most solid state equipment.

The entire unit is very compact and is easily mounted in any location. The chassis is cadmium plated with an attractive gold irridescent finish. The terminals include separate commons for the AC and DC outputs and two ground connections. Complete with 6 ft. power cord.

The Model FPS24-20 may be mounted on the Soundolier MR-1 mounting rails. When ordering, specify the mounting rails separately.

Model CFPS24-20 ✓

The Model CFPS24-20 is identical to the FPS24-20 except for the addition of a protective cover. The cover is finished with an attractive matte black finish.

Perforated metal allows the cover to ventilate properly while offering an attractive finish and physical protection.

DC POWER SUPPLIES
HEAVY DUTY

ELECTRONIC ACCESSORIES / MODEL PS24-100
MODEL PS24-50
MODEL PS24-32

soundolier, inc.

Model PS24-100
Model PS24-50
Model PS24-32

Description:

The model PS24-100 is a DC power supply delivering 24 volts @ 10 amps. The model PS24-50 is a DC power supply delivering 24 volts @ 5 amps. The model PS24-32 is a DC power supply delivering 24 volts @ 3.2 amps.

All three models are fused in both the input and output. The output fuses are defeat-proof—larger fuses cannot be inserted. The PS24-32 is suitable for Class II wiring since the output fuse cannot be larger than 3.2 amps according to the requirements of the National Electric Code. Solid state silicon rectifiers are used with oversize current ratings. All models have a choke input filter and a bleeder resistor for better regulation.

The terminals are the barrier type to lessen the chance of shorts. Positive and negative terminals are isolated from ground. Four rubber feet are provided for shelf mounting. Two keyhole slots on the bottom of the chassis make it convenient to mount the supplies to a wall or a rack. All models are completely covered and have a modern perforated grille for proper ventilation. The finish is a combination of beautiful and durable baked enamel paints. All models come complete with a six foot heavy duty power cord. The excellent specifications make these units ideal for some telephone systems, large numbers of relays or wherever a high current DC supply is needed.

SPECIFICATIONS:

	PS24-100	PS24-50	PS24-32
Input Voltage:	117 VAC	117 VAC	117 VAC
Input power:	295 watts	145 watts	95 Watts
Output power:	24 VDC @ 10 AMPS	24 VDC @ 5 AMPS	24 VDC @ 3.2 AMPS
Ripple (% at full load):	2½ %	2½ %	2½ %
Regulation—			
Voltage at full load:	23 VDC	23 VDC	23 VDC
Voltage at no load:	29 VDC	29 VDC	29 VDC
Size:	13" x 9" x 6½"	9¾" x 7" x 5¼"	9¾" x [illegible] x 5¼"
Finish:	Baked Enamel	Baked Enamel	Baked Enamel
Weight:	26 lbs.	19 lbs.	16 lbs.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The power supply shall be a Soundolier model PS24-100 (PS24-50, PS24-32) or approved equal. It shall be capable of supplying 10 amps @ 24 VDC (5 amps @ 24 VDC, 3.2 amps @ 24 VDC). The ripple shall be 2½% at full load. The voltage output should be 23 volts at full load and 29 volts at no load. It shall be fused in the input and output. The output fuse shall be of the defeat proof type. It shall have a choke input filter and a bleeder resistor. It shall have rubber feet for shelf mounting.

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DC POWER SUPPLY

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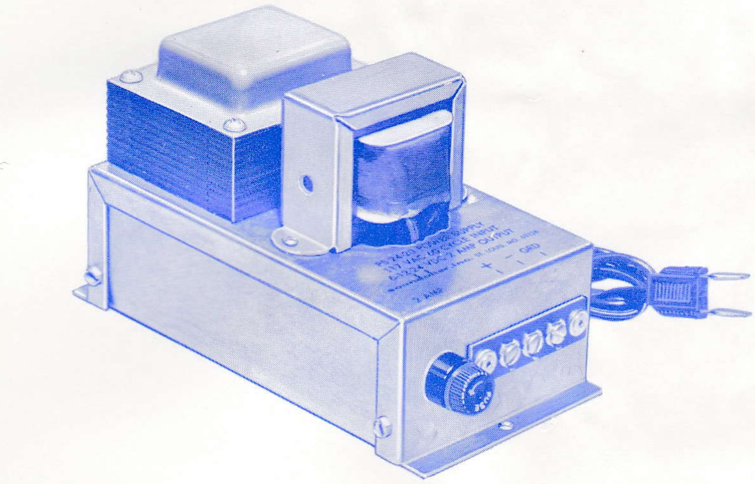

SPECIFICATIONS

MODEL PS24-20

Input Power:	117 VAC, 60 cycles, 48 watts
Output power:	Nominal 24 VDC at 2 amps " 12 VDC at 2 amps " 6 VDC at 2 amps
Ripple:	Less than 2½% at full load
Size:	6¾" x 3⅝" x 4"
Finish:	Cadmium plated with gold iridescent finish

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The power supply shall be Soundolier Model PS24-20 or approved equal. It shall be capable of supplying 2 amps at 24 volts, 12 volts or 6 volts. It shall consume no more than 48 watts of 105/130 volts 60 cycles AC. It shall be fused in the primary for maximum protection for the transformer. The filter section shall have a choke input. The rectifier shall be full wave and consist of four silicon diodes.

MODEL PS24-05

Input Power:	117 VAC, 60 cycles, 12 watts
Output power:	Nominal 24 VDC at ½ amp
Ripple:	Less than 3% at full load
Size:	6¾" x 3⅝" x 2"
Finish:	Cadmium plated with gold iridescent finish

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The power supply shall be Soundolier Model PS24-05 or approved equal. It shall be capable of supplying ½ amp at 24 volts. It shall consume no more than 12 watts of 105/130 volts 60 cycles AC. It shall be fused in the primary for maximum protection to the transformer.

Model PS24-20

The model PS24-20 is a convertible DC power supply delivering 24 volts at 2 amps, 12 volts at 2 amps or 6 volts at 2 amps. Conversion is accomplished simply and easily through the change of one plug-in lead. Instructions are clearly labeled on each unit. The PS24-20 is shipped from the factory as 24 volts at 2 amps unless specified otherwise.

The power supply is fused in the primary of the transformer. The transformer itself is designed to exceed the 2 amp rating thus creating cooler operating conditions. The rectifier consists of four silicon diodes. Solid state rectifiers were selected to lower the internal resistance for better regulation and higher reliability. In addition, a higher current rating extends the life of the diodes. The filter section is designed with a choke input again improving the regulation. The entire filter, consisting of the choke and an electrolytic capacitor brings the ripple down to less than 2½% at full load. Finally, a bleeder resistor is employed for increased regulation.

The entire unit is extremely compact and is easily mounted in any location. The chassis is constructed of sturdy CRS and is cadmium plated with an attractive gold iridescent finish. Three screw terminals are available on the external portion of the chassis with the positive and negative terminals isolated from the chassis. Complete with 6 ft. power cord.

PS24-20 may be mounted on the Soundolier MR-1 mounting rails. Soundolier relays and power supply may be conveniently and attractively mounted on a 19" panel or anywhere in the cabinet. When ordering, specify the mounting rails separately.

PS24-20 may be used as a relay supply, telephone supply or wherever a DC source of power is needed.

Model PS24-05

The model PS24-05 is a DC power supply delivering 24 volts at ½ amp. It is similar to the PS24-20 except that the choke is removed and the extra taps are not available. The other components are selected for lower power requirements. The physical dimensions remain the same. The PS24-05 may be used as a relay power supply or wherever a DC source of power is needed.

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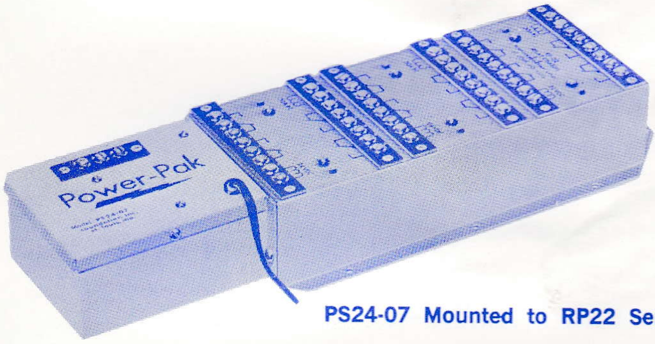
DC POWER SUPPLY

soundolier, inc.

Power-Pak
Model PS24-07
soundolier, inc.
st. louis, mo.

PS24-07



PS24-07 Mounted to RP22 Series

SPECIFICATIONS:

Input Power:	117 VAC, 60 cycles, 18 watts
Output Power:	Nominal 24 VDC at .7 amps
Ripple:	Less than 7½% at full load
Size:	4½" x 3½" x 2⅛"
Finish:	Cadmium plated with gold iridescent finish

Model PS24-07

The model PS24-07 is a DC power supply delivering 700 ma at 24 VDC. It is particularly well suited to drive the Soundolier RP22 relay paks. Simply remove the two screws holding the cover of the relay paks then replace and mount the PS24-07 in one simple operation. All RP22 models from the two pak to the 10 pak of relays can be quickly and easily powered. Full instructions are furnished with each model.

The PS24-07 is fused in the primary of the transformer. A full wave selenium bridge and a 500 mfd capacitor brings the ripple down to 7½% at full load. The entire unit is extremely compact and can easily be mounted in any location as well as to the RP22 relay paks. The chassis is constructed of sturdy CRS and is cadmium plated with an attractive gold iridescent finish. Three screw terminals are available on the external portion of the chassis with the positive and negative terminals isolated from the chassis. The unit comes complete with a 6 ft. power cord.

The PS24-07 can be used to power the Soundolier relay paks or any relays utilizing 24 VDC coils. Wherever a DC power source is required, the PS24-07 may be suitable.

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The power supply shall be Soundolier model PS24-07 or approved equal. It shall be capable of supplying 700 ma at 24 VDC. It shall be fused in the primary for maximum protection for the transformer. The rectifier shall be a full wave selenium bridge and the filter shall contain a 500 mfd capacitor.

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RELAYS and RELAY CHASSIS

ELECTRONIC ACCESSORIES / PR - 22
OR - 22
PRC - 1
PRC - 2
MR - 1

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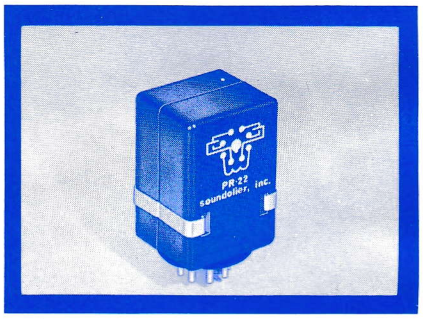
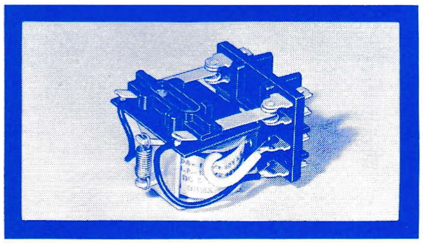


MODEL PR-22

The model PR-22 is a plug in relay using the model OR-22 relay and is completely enclosed with a plastic dust cover and plug for maximum protection against foreign matter. The unit is terminated in a octal plug which fits a standard socket. The plug in feature is particularly convenient for quick mounting and change. The contact rating is 5 amp. The contact configuration is silk screened on the cover for easy identification.

SPECIFICATIONS

Type:	24 VDC, DPDT, Plug in
Dimensions:	2 - 13/16" x 1 - 1/2" x 1 - 3/8"
Contacts (material)	Silver alloy
Contacts (rating)	5 amp.
Power requirements	24 VDC, 60 ma.
Other specifications	Enclosed plug-in type

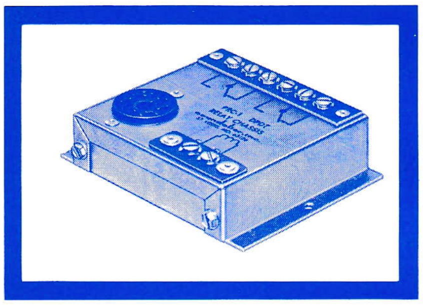


MODEL OR-22

The model OR-22 is an American made general purpose DPDT 24 VDC relay. The coil current is a nominal 60 ma. The actuating mechanism utilizes the clapper type construction. The coil is wound on a nylon bobbin. The contacts are silver alloy for a long and trouble free life. The contact rating is 5 amp.

SPECIFICATIONS

Type:	24 VDC, DPDT
Dimensions:	1 - 7/8" x 1 - 3/8" x 1 - 3/16"
Contacts (material)	Silver alloy
Contacts (rating)	5 amp.
Power requirements	24 VDC, 60 ma.



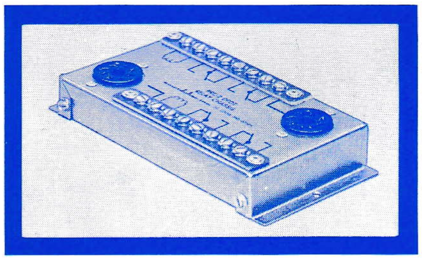
MODEL PRC-1

The model PRC-1 is a single relay chassis which features a single socket for the PR-22 thus providing a convenient means of connecting to the contacts of a plug-in relay. The chassis has eight screw terminals thus eliminating all soldering. The terminal strip is completely wired to the socket at the factory. The terminals are clearly labeled for quick contact identification. The convenience of the plug in feature of the PR-22 is, of course, utilized.

The chassis is constructed of heavy gauge CRS and is finished in a cadmium plate with a gold iridescent finish.

SPECIFICATIONS

Sockets (octal)	1
Dimensions	4 - 1/4" x 3 - 5/8" x 1 - 3/16"
Terminal strips	1 - 6 terminal 1 - 2 terminal

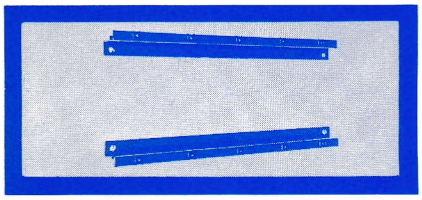


MODEL PRC-2

The model PRC-2 is a chassis similar to the PRC-1 but is enlarged to accommodate two plug in relays. Of course, you may use only one socket and relay and utilize the second as a spare. In addition, the PRC-2 can be mounted on the Soundolier MR-1 mounting rails. You may mount up to 10 relays on a 19" rack panel or elsewhere in the cabinet.

SPECIFICATIONS

Sockets (octal)	2
Dimensions	6 - 3/4" x 3 - 5/8" x 1 - 3/16"
Terminal strips	2 - 8 terminal



MODEL MR-1

The model MR-1 is a mounting rail set used to coveniently mount the PS series power supplies or the PRC-2 relay chassis (The PRC-1 chassis cannot be used on the MR-1 mounting rails).

The MR-1 rail set eliminates exposed screw heads on rack panels and sharply reduces mounting time where a multiple number of units are required. The MR-1 will accommodate any combination of five of the models noted above. Construction is of sturdy CRS and coated for rust prevention.

POWER SUPPLY / RELAY MODULE
(POWERED DPDT RELAY)

ELECTRONIC ACCESSORIES / PSRM-1

SECTION Q

soundolier, inc.

PSRM-1 POWER SUPPLY
& RELAY
117 V.A.C. 60 ∿ IN.
1/2 AMP FUSE INSIDE
soundolier, inc.
ST. LOUIS, MO.
EXTERNAL
SWITCH

Model PSRM-1

The Model PSRM-1 is a chassis containing a DPDT relay and a built-in power supply. The relay is terminated on a six position terminal strip for easy external wiring. In addition, two terminals are provided for an external switch to actuate the relay.

The PSRM-1 powered DPDT relay utilizes the revolutionary Soundolier "Instant Mount" technique (patent pending). The chassis is equipped with double face pressure sensitive foam tape. By merely peeling back the coating, the unit can be applied on any surface, vertical or horizontal. Press down at the location and in the position you desire. The PSRM-1 will be securely mounted regardless of temperature or vibration. Tools and unsightly screw heads are completely eliminated. If removal is necessary, pry up with a screw driver or similar instrument. Mounting holes are provided, if pressure mounting is not utilized.

The power supply consists of a step down transformer, rectifier and filter capacitor. It is capable of delivering 24 VDC at 150 ma. Since the relay power requirement is 60 ma., the power available is more than necessary for reliable operation. The primary of the transformer is fused for maximum protection. The relay is the popular Soundolier OR-22, which is a DPDT 24 VDC unit. The coil is wound on a nylon bobbin and the contacts are silver alloy for a long and trouble free life. The contact rating is 5 amps. A diode is wired across the relay coil and acts as a transient suppressor thus eliminating annoying "pops" and "clicks."

The chassis is compact and light weight and completely enclosed. Only the 8 position terminal strip is exposed for easy access. The terminals are clearly labeled for quick contact identification. The finish is cadmium plated with a gold irridescent finish. The unit is furnished complete with a six foot power cord.

Applications

The uses for the PSRM-1 are only limited by your ideas. For your convenience, a number of circuits or possible uses are shown on the reverse side. The unit can be a music muting device, paging adapter, powered remote control switch or perhaps control additional relays. Wherever a DPDT relay with a built in power supply is needed, the PSRM-1 can be used.

SPECIFICATIONS:

Input Power: 117 VAC, 60 cycles, 4 watts
Power Supply output: 24 VDC, 150 ma
Relay type: 24 VDC, DPDT
Relay contacts: Silver Alloy
Relay contact rating: 5 amps
Relay power requirement: 24 VDC, 60 ma
Termination: 8 point, screw type (2 for external switch, six for relay contacts)
Size: 4" x 4⅜" x 2¼"
Finish: Cadmium plated with gold irridescent finish.
Mounting: "Instant Mount" or with mounting holes.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The powered relay shall be Soundolier model PSRM-1 or approved equal. It shall consist of a 24VDC DPDT relay terminated in an external strip and completely enclosed. It shall have a suitable power supply controlled by an external switch. It shall have a diode for transient suppression. It shall be mounted by the Soundolier "Instant Mount" technique or a approved equal. It shall be fused in the primary for maximum protection.

SEE DIAGRAM ON REVERSE SIDE

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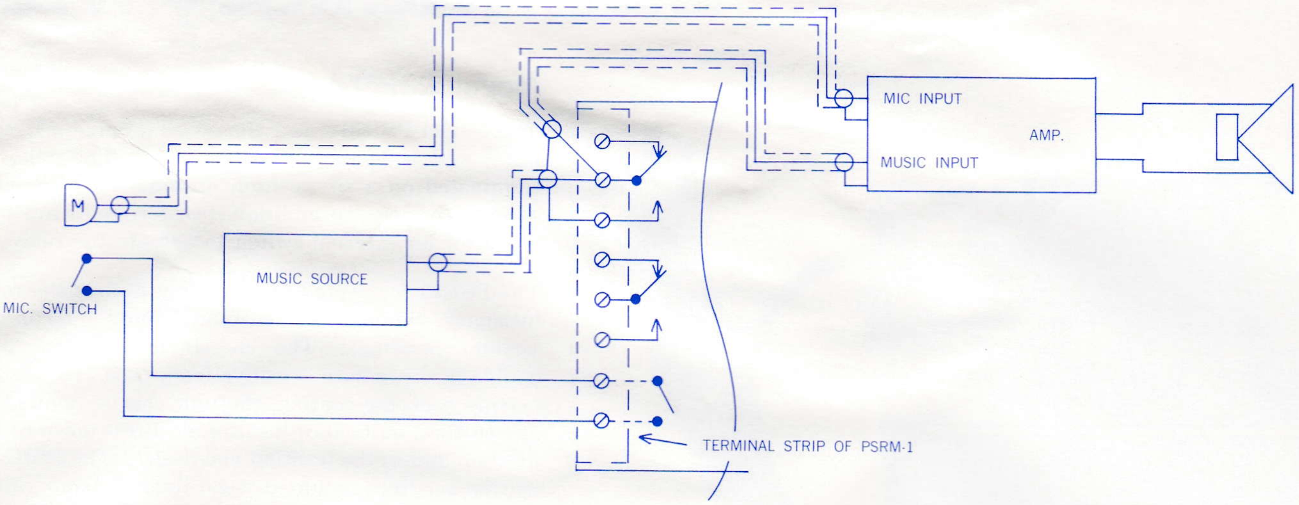
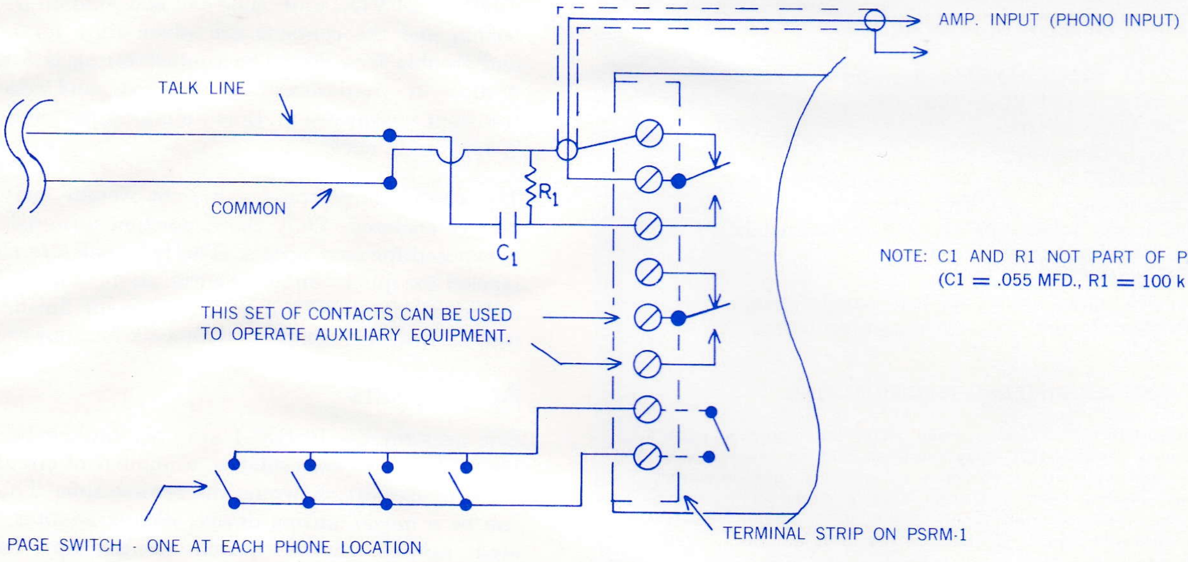

MIC INPUT
AMP.
MUSIC INPUT
M
MUSIC SOURCE
MIC. SWITCH
TERMINAL STRIP OF PSRM-1

WIRING DIAGRAM USING THE PSRM-1 AS A MUSIC MUTING DEVICE

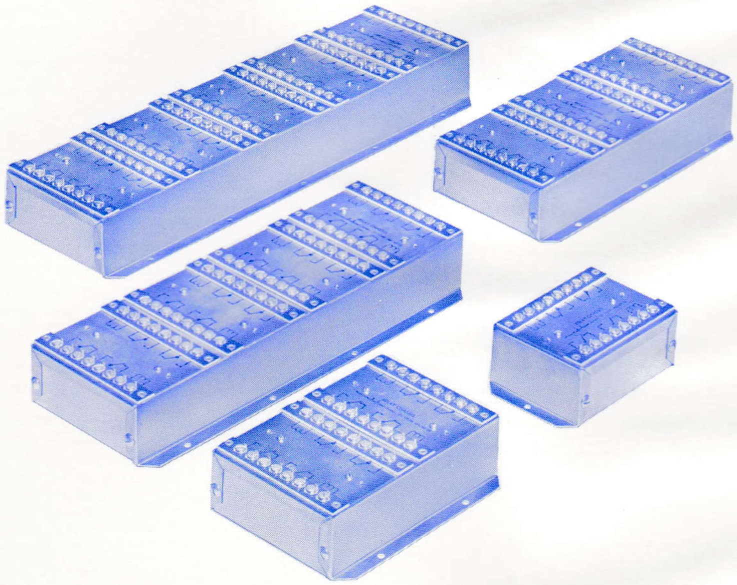

AMP. INPUT (PHONO INPUT)
TALK LINE
COMMON
R1
C1
THIS SET OF CONTACTS CAN BE USED TO OPERATE AUXILIARY EQUIPMENT.
PAGE SWITCH - ONE AT EACH PHONE LOCATION
TERMINAL STRIP ON PSRM-1

NOTE: C1 AND R1 NOT PART OF PSRM-1
(C1 = .055 MFD., R1 = 100 k ½ W)

WIRING DIAGRAM USING THE PSRM-1 AS A PAGING ADAPTER FOR A COMMON TALK TELEPHONE SYSTEM.

DC RELAY PAKS

soundolier, inc.



The series RP22 "Relay Paks" consist of completely enclosed sets of relays which are internally wired to eight terminal strips. Through the use of the new Soundolier "Instant Mount" technique, the "Relay Paks" are designed to bring you all of the advantages of the plug-in relay plus the added advantage of terminating all connections at a convenient screw terminal.

The RP22 series "Relay Paks" utilize the revolutionary Soundolier "Instant Mount" technique (patent pending). The chassis is equipped with double face pressure sensitive foam tape. By merely peeling back the protective strip, the unit can be applied on any surface, vertical or horizontal. Press down at the location and in the position you desire. The RP22 series "Relay Paks" will be securely mounted regardless of temperature or vibration. Tools and unsightly screw heads are completely eliminated. If removal is necessary, pry up with a screw driver or similar instrument. Mounting holes are provided if "Instant Mount" is not utilized.

The relays employed in the paks are all 24 VDC DPDT. The contacts are of silver alloy and have a 5 amp rating. The coils can be easily paralleled by external jumpers to obtain any number of poles with double throw action. The coils may also be externally wired in series to obtain one 48 volt 4PDT relay. Contacts may be similarly paralleled for heavier load currents. In fact, the compactness or close physical proximity of the relays makes the units ideal for multi-pole operations. External wiring between relays may be accomplished conveniently and easily prior to installation.

The "Relay Paks" come in multiples of two relays and are completely enclosed in a compact and sturdy 18 gauge CRS chassis. Each relay is individually terminated on an eight point screw terminal strip which is silk screened with the proper nomenclature. The enclosure provides mechanical protection and dust free operation. Each unit is cadmium plated with gold irridescent finish. There are five models each containing 2, 4, 6, 8 or 10 relays respectively.

This unique mounting method and easy contact identification makes the RP22 "Relay Paks" ready to operate with a minimum of shop and field time.

SPECIFICATIONS:

Model	No. of Relays	No. of 8 Point Screw Terminals	Dimensions
RP22-2	2	2	3½" x 4½" x 2¼"
RP22-4	4	4	6⅞" x 4½" x 2¼"
RP22-6	6	6	10¼" x 4½" x 2¼"
RP22-8	8	8	13⅝" x 4½" x 2¼"
RP22-10	10	10	17" x 4½" x 2¼"

RELAY SPECIFICATIONS:

Type:	24 VDC, DPDT
Contacts (material):	Silver Alloy
Contacts (rating):	5 amps
Power requirements:	24 VDC, 60 ma.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The relays shall be Soundolier Model RP-22-2 (-4, -6, -8, -10) "Relay Pak" or approved equal. They shall employ pressure sensitive tape for instant mounting. Relays shall be completely enclosed for mechanical protection and dust free operation. Each relay shall terminate in an eight terminal strip. The relays shall be 24 VDC DPDT. The contacts shall be silver alloy. The power requirements shall be 24 VDC 60 ma. The chassis shall be 18 gauge cadmium plated.

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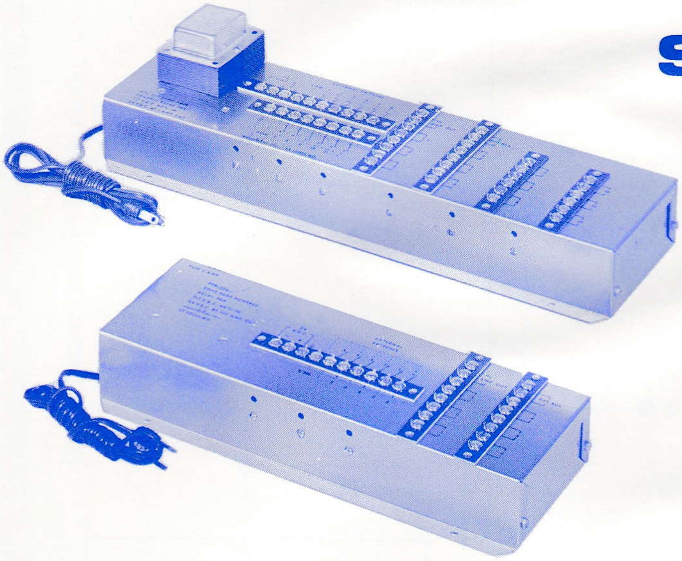
ZONE PAGE POWERED RELAY PAK

ELECTRONIC ACCESSORIES / PSR-206
PSR-212

SECTION
Q



soundolier, inc.

Model PSR-206

The Model PSR-206 is a zone page powered "Relay Pak" with an internal power supply. The unit is completely wired and ready for mounting. The power supply is capable of delivering 500 ma. at 24 VDC. A fuse is used in the primary of the transformer for extra protection. Four silicon diodes comprise the rectifier. A 500 ufd capacitor and bleeder make up the filtering section. The output of the power supply is terminated at the terminal strip as well as internally to the relay coils. This allows the use of excess current for external relays or lights.

Six 24 VDC, DPDT relays are premounted and wired to the power supply. The contacts are of silver alloy and the contact rating is 5 amps. The coil current is a nominal 60 ma. The relays are wired and terminated as shown on reverse side. The terminals are easily identified by a clear silk screened diagram. Any relay may be easily converted to an all page relay by connecting the off bus to the selected relay switch output. *See reverse side.*

The Model PSR-206 is completely enclosed in a compact 18 gauge CRS chassis and finished in a cadmium plate with a gold irridescent finish. Complete with 6 foot power cord. The unit is specifically designed to be used in conjunction with the Soundolier Model MPC-206 communications control center.

The Model PSR-212 has all the features of the Model PSR-206 except that it employs twelve relays instead of six. The physical size is larger (see specifications) and it is designed to be used with the Soundolier Model MPC-212 communications control center. The transformer is mounted on the surface with a protective shell.

SEE DIAGRAM ON REVERSE SIDE

SPECIFICATIONS:

	Model PSR-206	Model PSR-212
Input power:	117 VAC, 60 cycles, 12 watts	117 VAC, 60 cycles, 24 watts
Output power of supply:	24 VDC, 500 ma.	24 VDC, 1 amp
Relays (number):	6	12
Relay type:	24 VDC, DPDT	24 VDC, DPDT
Relay coil current:	Nominal 60 ma.	Nominal 60 ma.
Relay contact rating:	5 amps	5 amps
Terminal strips:	one 10 point, screw type two 8 point, screw type	one 10 point, screw type three 8 point, screw type two 6 point, screw type
Size:	13¼" x 4⅜" x 2¼"	17⅛" x 4⅜" x 2¼"

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The zone page powered "relay pak" shall be Model PSR-206 (PSR-212) or approved equal. The power supply shall be capable of delivering 24 VDC at 500 ma. (24 VDC at 1 amp). The power supply output shall be terminated at screw terminals for easy access. The pak shall utilize 6 relays (12 relays) and shall have external provisions to wire one relay as an "all page" relay. Each relay shall be a DPDT with a nominal coil current of 60 ma. The chassis shall be cadmium plated with a gold irridescent finish. The Model PSR-206 (PSR-212) or approved equal must be capable of being used with the Soundolier Model MPC-206 (MPC-212) communications control center or approved equal.

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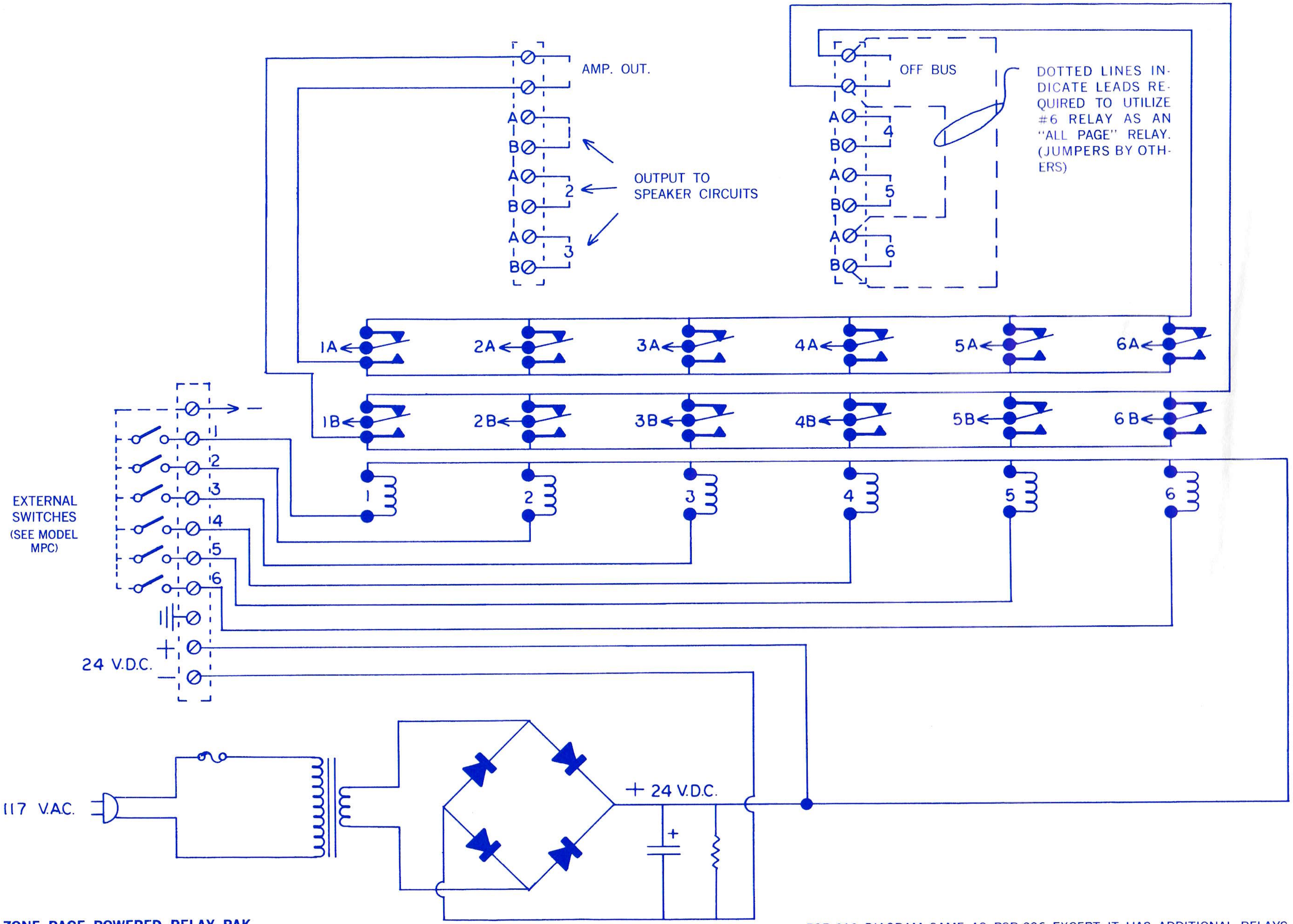

AMP. OUT.
OUTPUT TO SPEAKER CIRCUITS
A
B
2
3
OFF BUS
4
5
6
DOTTED LINES INDICATE LEADS REQUIRED TO UTILIZE #6 RELAY AS AN "ALL PAGE" RELAY. (JUMPERS BY OTHERS)
1A
2A
3A
4A
5A
6A
1B
2B
3B
4B
5B
6B
1
EXTERNAL SWITCHES (SEE MODEL MPC)
24 V.D.C.
+
—
117 V.A.C.
+ 24 V.D.C.

ZONE PAGE POWERED RELAY PAK

PSR-212 DIAGRAM SAME AS PSR-206 EXCEPT IT HAS ADDITIONAL RELAYS.

soundolier® ATTENUATORS

. . . COVERING A WIDE RANGE OF APPLICATIONS FOR . . .

AUTO TRANSFORMER attenuators for low insertion loss, high power requirements — use ET, AT and E408 models.

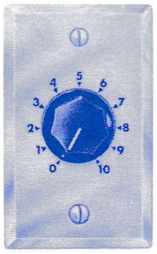
L-PAD attenuators for moderate power requirements—use LA models.

WIRE WOUND POTENTIOMETER attenuators for low power requirements—use VC models.

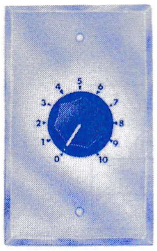
ATTENUATOR LINE NOW INCLUDES NEW ECONOMY ET-10:

Soundolier's extensive attenuator line includes versions utilizing wirewound potentiometers, L-Pads and Soundolier pioneered auto transformer attenuators with low insertion loss and up to 75 watts power handling capacity. Applications range all the way from pots wired in speaker voice coil circuits to auto-former attenuators with 1½ db per step attenuation for audio masking systems. Three price/quality ranges in our auto-former attenuator line assures an attenuator product for virtually every system budget. Our wirewound potentiometers and L-Pads are the finest quality available.

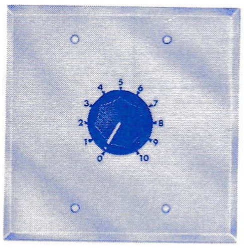
As you review the attenuator line in this booklet, we feel you will agree that when it comes to attenuators, Soundolier has the most extensive line in the industry!



ET-10



AT-10 VC-50 LA-8
E408-1 VC-5K LA-1500



AT-35
E408-3

4
5
6
3
7
2
8
1
9
0
10

RM Series

GENERAL DESCRIPTION

All Soundolier attenuators are completely assembled with stainless steel wall plate, hardware and attractive black skirted knob. Units are available with power handling capacity up to 75 watts. We can also manufacture attenuators with higher power handling capacity as well as with proprietary labelling, logos, etc. Consult factory for details.

Model ET Auto Transformer Attenuator

The ET-10 is an economy grade 10 watt version. Unit employs a ten position shorting rotary switch with stop. Attenuation rate is 3 db per step.

Model AT Auto Transformer Attenuators

The AT Series is a high quality grade attenuator line. This series employs a ten position non-shorting rotary switch without stop. Models are available for 10, 35, and 75 watts. Attenuation rate is 3 db per step.

Model E408 Auto Transformer Attenuators

The E408 Series auto transformer attenuators are specially designed for level controls in audio masking systems. They may also be used in sound reinforcement systems. These models employ a ten position non-shorting rotary switch without stop and have an attenuation rate of 1.5 db per step.

Model LA L-Pad Attenuators

The LA Series is a line of L-Pads available in 8 ohm and 1500 ohm versions. These wirewound units will handle 10 watts (3 watts DC).

Model VC Potentiometer Attenuators

The VC Series offers 50 ohm and 5K ohm wirewound Potentiometer models.

Use Model VC-5K for constant voltage speaker circuits and Model VC-50 for 4, 8, or 16 ohm voice coil circuits.

Rack Mount Models (RM Series)

The AT, LA and VC Series are available in rack mount versions. Rack mount units include an attractive dial scale. Suffix appropriate model with -RM (ex: AT-10RM).

Attenuators With Priority Paging Relay (PA Series)

The AT, LA and VC Series are available with an integral 24VDC priority paging relay. Suffix model number with -PA (ex: VC-50-PA).

Relay Specifications:	Coil Voltage: 24VDC	Contacts: SPDT-2AMP rating
	Coil Current: 5MA	Relay has a protective cover

Refer to the following model number charts, schematics and architects/engineering specifications for details.

SL 1302
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9380 WATSON INDUSTRIAL PARK / ST. LOUIS, MO 63126, U.S.A. / (314) 962-9870 / TWX 910-760-1650

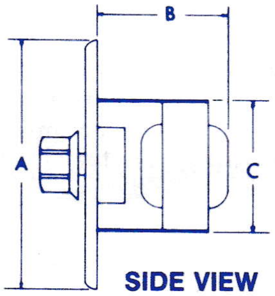
soundolier ATTENUATOR SPECIFICATIONS

MODEL	ET-10	AT-10	AT-35	AT-75	E408-1	E408-3	E408-7	LA-8	LA-1500	VC-5K	VC-50
Power Rating	10 watts	10 watts	35 watts	75 watts	10 watts	35 watts	75 watts	10 watts*	10 watts*	3 watts DC	3 watts DC
Type	Auto-Trans	Auto-Trans	Auto-Trans	Auto-Trans	Auto-Trans	Auto-Trans	Auto-Trans	L Pad	L Pad	Pot.	Pot.
Positions	10—Off	10—Off	10—Off	10—Off	10—Off	10—Off	10—Off	—	—	—	—
Attenuation Per Step	3 db	3 db	3 db	3 db	1.5 db	1.5 db	1.5 db	Cont.	Cont.	Cont.	Cont.
Total Attenuation	36 db	36 db(1)	30 db(1)	30 db(1)	15 db*	15 db*	15 db*	20 db (min)	38 db (min)	—	—
Insertion Loss	.5 db	.4 db	.6 db	.6 db	.4 db	.6 db	.6 db	.8 db	.8 db	1 db	1 db
Mounting Plate	1 gang	1 gang	2 gang	2 gang	1 gang	2 gang	2 gang	1 gang	1 gang	1 gang	1 gang
Resistance	—	—	—	—	—	—	—	8 ohms	1500 ohms	5K ohms	50 ohms

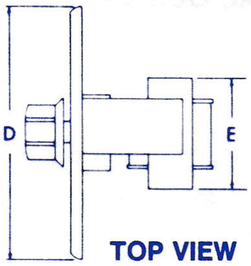
*Audio Rating.

(1) The attenuation curve is steeper when the auto-transformers are used on a 25 volt line. 10 watt auto-transformer has two steps of 6 db before off position.

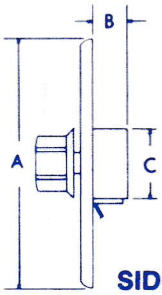
DIMENSIONAL SPECIFICATIONS



SIDE VIEW



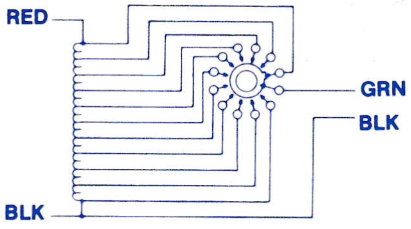
TOP VIEW



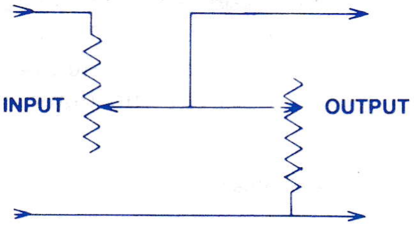
SIDE VIEW

MODEL	A	B	C	D	E
ET-10	4½"(114mm)	$2\frac{1}{16}$"(52mm)	$2\frac{1}{16}$"(52mm)	2¾"(70mm)	$1\frac{11}{16}$"(43mm)
AT-75	4½"(114mm)	2½"(64mm)	2⅜"(60mm)	$4\frac{9}{16}$"(116mm)	2¾"(70mm)
AT-35	4½"(114mm)	2¼"(57mm)	$2\frac{7}{16}$"(62mm)	$4\frac{9}{16}$"(116mm)	2"(51mm)
AT-10	4½"(114mm)	$2\frac{1}{16}$"(52mm)	$2\frac{1}{16}$"(52mm)	2¾"(70mm)	$1\frac{11}{16}$"(43mm)
E408-7	4½"(114mm)	2½"(64mm)	2⅜"(60mm)	$4\frac{9}{16}$"(116mm)	2¾"(70mm)
E408-3	4½"(114mm)	2¼"(57mm)	$2\frac{7}{16}$"(62mm)	$4\frac{9}{16}$"(116mm)	2"(51mm)
E408-1	4½"(114mm)	$2\frac{1}{16}$"(52mm)	$2\frac{1}{16}$"(52mm)	2¾"(70mm)	$1\frac{11}{16}$"(43mm)
LA-1500 LA-8	4½"(114mm)	1¼"(32mm)	1¼"(32mm)	2¾"(70mm)	—
VC-5K VC-50	4½"(114mm)	⅝"(16mm)	1¼"(32mm)	2¾"(70mm)	—

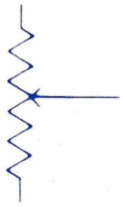
SCHEMATIC DIAGRAMS



ET, AT, E408 SERIES



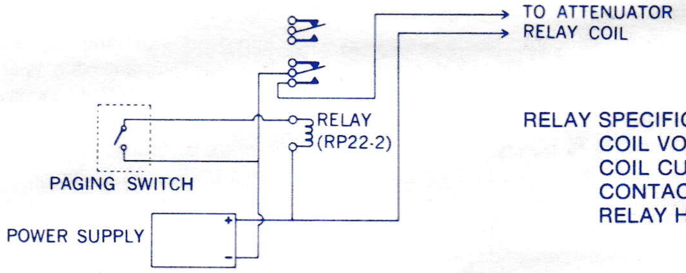
LA-8
LA-1500



VC-50
VC-5K

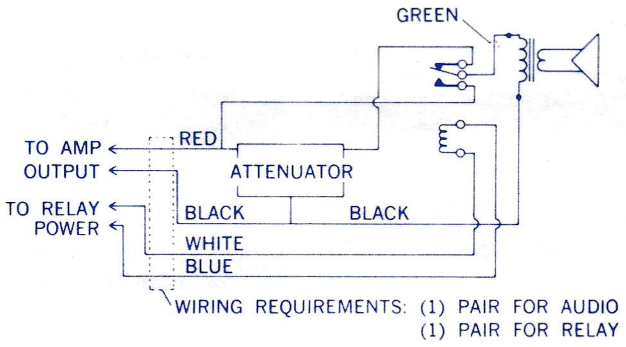
ATTENUATORS WITH PRIORITY RELAYS

POWER AND SWITCHING REQUIREMENTS FOR PRIORITY RELAY

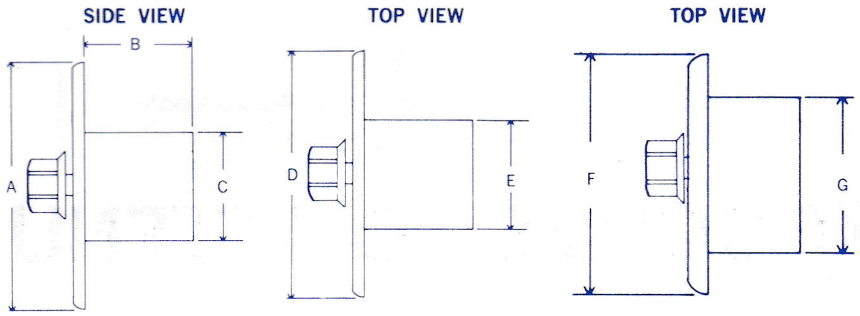

TO ATTENUATOR
RELAY COIL
RELAY
(RP22-2)
PAGING SWITCH
POWER SUPPLY
+
-

RELAY SPECIFICATIONS
COIL VOLTAGE: 24VDC
COIL CURRENT: 5MA
CONTACTS: SPDT-2AMP RATING
RELAY HAS A PROTECTIVE COVER

PRIORITY ATTENUATOR SCHEMATIC


GREEN
TO AMP
OUTPUT
TO RELAY
POWER
RED
ATTENUATOR
BLACK
BLACK
WHITE
BLUE
WIRING REQUIREMENTS: (1) PAIR FOR AUDIO
(1) PAIR FOR RELAY

DIMENSIONAL SPECIFICATIONS


SIDE VIEW
TOP VIEW
TOP VIEW
A
B
C
D
E
F
G

DIMENSION CHART

MODEL	A	B	C	D	E	F	G
AT75-PA	4½"(114mm)	2½"(64mm)	2⅜"(60mm)	4⁹⁄₁₆"(116mm)	3½"(89mm)	—	—
AT35-PA	4½"(114mm)	2¼"(57mm)	2⁷⁄₁₆"(62mm)	4⁹⁄₁₆"(116mm)	2¾"(70mm)	—	—
AT10-PA	4½"(114mm)	2¹⁄₁₆"(52mm)	2⅞"(73mm)	—	—	2¾"(70mm)	1¹¹⁄₁₆"(43mm)
LA8-PA LA1500-PA	4½"(114mm)	1½"(38mm)	2⅜"(60mm)	—	—	2¾"(70mm)	1¼"(32mm)
VC50-PA VC5K-PA	4½"(114mm)	1½"(38mm)	2⅜"(60mm)	—	—	2¾"(70mm)	1¼"(32mm)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

FOR ET AND AT SERIES

The attenuator shall be Soundolier model ________ auto transformer or approved equal mounted to a standard ________ gang stainless steel wall plate. Wall plate shall mount to a standard box. Plate shall have a dial scale to indicate attenuator position. Attenuator shall be a step type control with a positive off position. Switch shall have silver plated contacts to eliminate noise and contact loss. There shall be no stop between the maximum and off positions (AT Series only). The power rating shall be ________ and attenuation range shall be ______ db. The attenuation per step shall be 3 db for the AT-35 and AT-75. Attenuation per step for ET-10 and AT-10 shall be as follows: Eight steps of 3 db and 6 db each for the last two positions.

FOR E408 SERIES

The attenuator shall be Soundolier model ____________ auto transformer or approved equal mounted to a standard ________ gang stainless steel wall plate. Wall plate shall mount to a standard box. Plate shall have a dial scale to indicate attenuator position. Attenuator shall be a step type control with a positive off position. Switch shall have silver plated contacts to eliminate noise and contact loss. There shall be no stop between the maximum and off positions. The power shall be ____________________ and attenuation range shall be 15 db. The attenuation per step shall be 1.5 db.

FOR L-PAD Attenuators

The attenuator shall be Soundolier model __________ Pad or approved equal and shall be mounted to a standard one gang stainless steel wall plate. Wall plate shall mount to a standard box and shall have a dial scale to indicate attenuator position. Attenuator shall be continuously variable with no stop position. Power rating shall be 3 watts DC and 10 watts audio. The impedance shall be __________ ohms.

FOR WIRE WOUND POTENTIOMETER ATTENUATORS

The attenuator shall be Soundolier model ______ potentiometer or approved equal and shall be mounted to a standard one gang stainless steel wall plate. Wall plate shall mount to a standard box and shall have a dial scale to indicate attenuator position. Attenuator shall be continuously variable with no stop position. Power rating shall be 3 watts (DC rating).

FOR PA VERSIONS

The priority program attenuator shall be Soundolier Model ______ ________ or approved equal. The attenuator shall consist of a SPDT 24 VDC relay, auto transformer (potentiometer, L-Pad) and a single (double) gang stainless steel wall plate. The wall plate shall have a dial scale to indicate attenuator position. The wall plate shall mount to a standard electrical box. The relay shall be securely mounted to the assembly and properly wired at the factory. The hook-up leads shall be color coded.

RELAY SPECIFICATIONS

Coil Voltage: 24 V.D.C.
Coil Current: 5 MA.
Contacts: S.P.D.T. — 2A. Rating
Relay has a protective cover.

WHEN IT COMES TO ATTENUATORS

...........COME TO soundolier!®

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Even though we make every effort to avoid errors, we reserve the right to correct typographical, photographical, clerical or printing errors, and to change specifications to improve products and/or manufacturing methods

DELUXE PRIORITY ATTENUATORS

AT75-PA
AT35-PA
AT10-PA
TA8-PA
TA1500-PA
LA8-PA
LA1500-PA
VC5K-PA
VC50-PA

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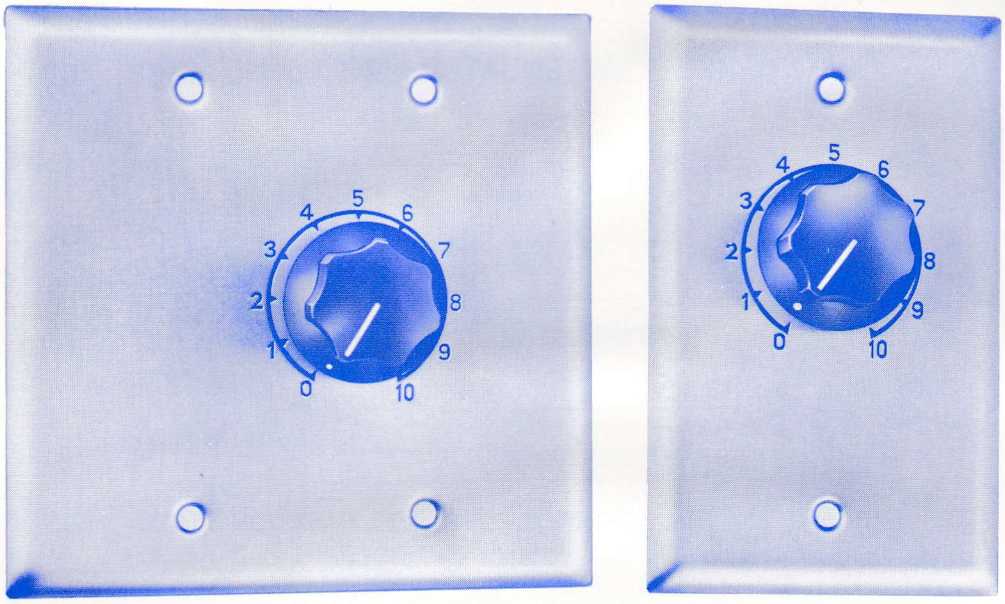

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The priority program attenuator shall be Soundolier Model ___________ or approved equal. The attenuator shall consist of a SPDT 24 VDC relay, auto transformer (potentiometer, L-Pad, T-Pad) and a single (double) gang stainless steel wall plate. The wall plate shall have a dial scale to indicate attenuator position. The wall plate shall mount to a standard electrical box. The relay shall be securely mounted to the assembly and properly wired at the factory. The hook-up leads shall be color coded.

RELAY SPECIFICATIONS

Coil Voltage: 24 V.D.C.
Coil Current: 5 MA.
Contacts: S.P.D.T. — 2A. Rating
Relay has a protective cover.

GENERAL DESCRIPTION

The PA Series attenuators are designed to allow the user to set the program level on selected emergency, paging, etc. signals at the amplifier and to by-pass the effect of the attenuator. This eliminates the need for dual voice coil speakers or separate speaker systems. The entire line of Soundolier attenuators are available with the priority program feature.

The PA Series attenuators are standard Soundolier attenuators with the addition of a SPDT relay securely mounted to the attenuator and properly wired. When the priority program is switched in, the relay by-passes the attenuator. The relay is operated with 24 VDC, at 5 ma. The unit has five color coded leads which are stripped tinned for easy hook-up. The plate mounts to most standard electrical outlet boxes. See the chart on reverse side for dimensional details. A protective cover for the relay insures a long, trouble free life.

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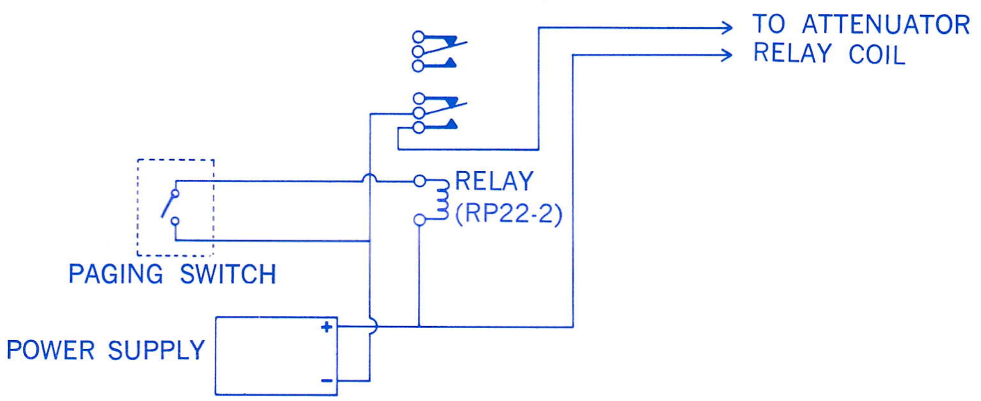
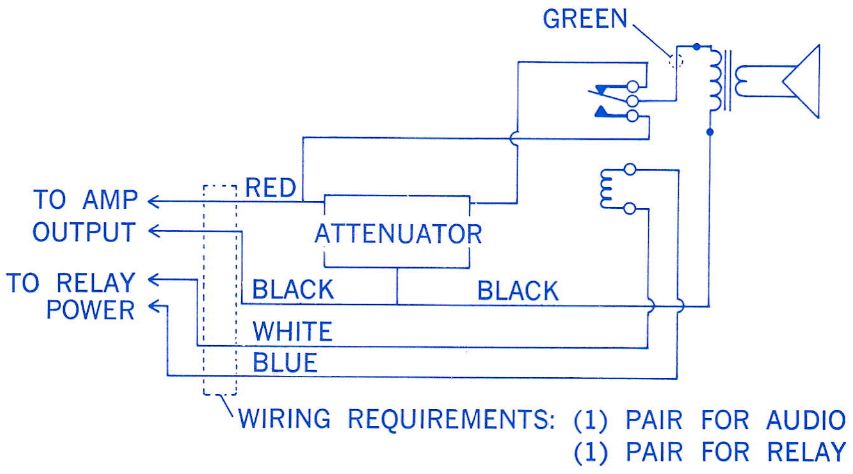
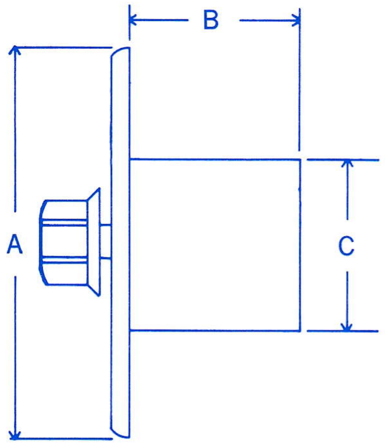
POWER AND SWITCHING REQUIREMENTS FOR PRIORITY RELAY.


TO ATTENUATOR
RELAY COIL
RELAY
(RP22-2)
PAGING SWITCH
POWER SUPPLY
+
-

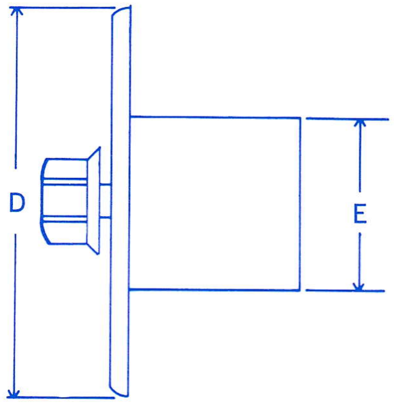
PRIORITY ATTENUATOR SCHEMATIC


GREEN
RED
TO AMP
OUTPUT
ATTENUATOR
TO RELAY
POWER
BLACK
BLACK
WHITE
BLUE
WIRING REQUIREMENTS: (1) PAIR FOR AUDIO
(1) PAIR FOR RELAY

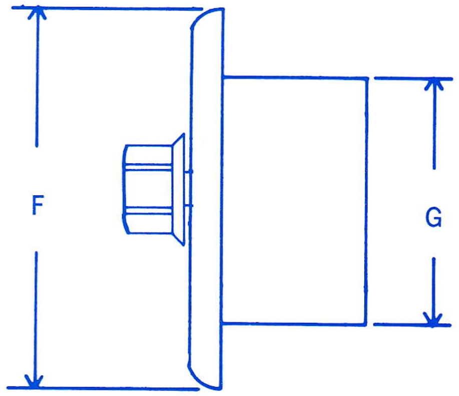
SIDE VIEW



TOP VIEW



TOP VIEW

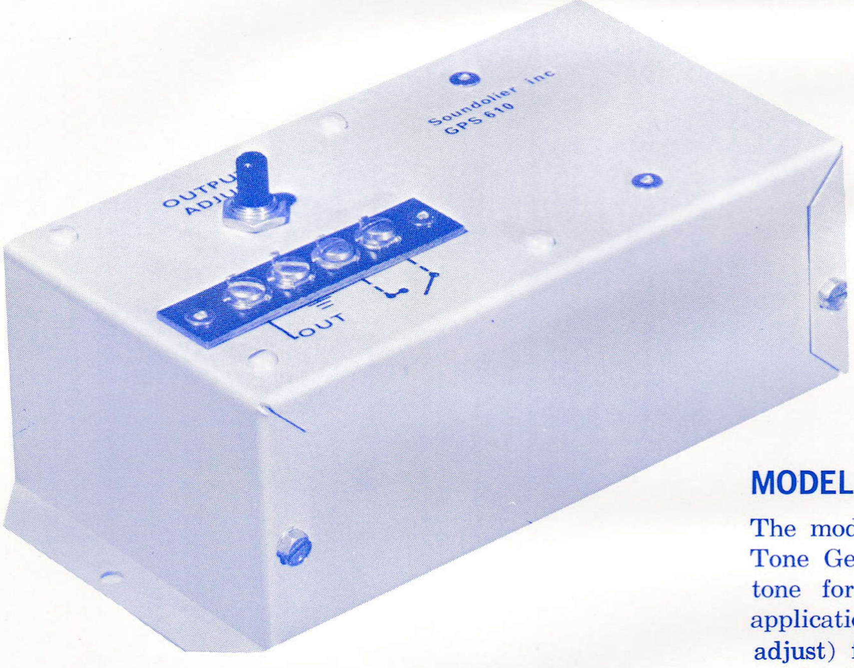


DIMENSION CHART

	A	B	C	D	E	F	G
AT75-PA	4½"	2½"	2⅜"	4⁹⁄₁₆"	3½"	....	....
AT35-PA	4½"	2¼"	2⁷⁄₁₆"	4⁹⁄₁₆"	2¾"	....	....
AT10-PA	4½"	2¹⁄₁₆"	2⅞"	....	....	2¾"	1¹¹⁄₁₆"
TA8-PA TA1500-PA	4½"	2"	2⅜"	....	....	2¾"	1¼"
LA8-PA LA1500-PA	4½"	1½"	2⅜"	....	....	2¾"	1¼"
VC50-PA VC5K-PA	4½"	1½"	2⅜"	....	....	2¾"	1¼"

TONE GENERATOR

soundolier, inc.



MODEL GPS610

The model GPS610 is a completely solid state Tone Generator capable of producing a steady tone for classroom, industrial or commercial application. The tone is adjustable (screwdriver adjust) from 600 Hz through 1000 Hz. The output level is also adjustable (screwdriver adjust) and is capable of delivering a maximum of 1 volt rms into a 5000 ohm load. The model GPS610 has a built-in power supply with provisions for an external SPST switch to actuate the generator.

The generator uses a twin-T oscillator for stability and an emitter follower to isolate the oscillator from the load. The tone is on frequency at the moment of keying and does not change through the duration of the tone. The solid state circuitry includes silicon devices for temperature stability.

Terminations are to screw terminals and the entire unit is extremely compact for mounting in any location. The chassis is constructed of sturdy CRS and is cadmium plated with an attractive gold iridescent finish. Complete with a 6 ft. power cord.

MODEL G610

The model G610 is similar to model GPS610 except that external power is required. Terminals are provided for external voltage of 22-26 volts at 4 MA. If only higher voltages are available, appropriate series resistance should be used.

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The tone generator shall be a Soundolier Model GPS610 (G610) or approved equal. The generator shall be completely solid state and shall use silicon devices for temperature stability. The frequency shall be variable from 600 Hz through 1000 Hz. The output level shall be adjustable. The generator shall have provisions to be actuated by an external SPST switch. The tone shall be on frequency at the moment of keying and shall remain at a constant frequency throughout the duration of the tone. The generator shall be capable of delivering a maximum of 1 volts rms into a 5000 ohm load. The unit shall employ pressure sensitive tape for instant mounting.

SPECIFICATIONS

	Model GPS 610	Model G610
Tone Frequency	600-1000 Hz	600-1000 Hz
Output Level	1 volt R.M.S. across 5K ohms	1 volt R.M.S. across 5K ohms
Semiconductors	2 transistors, 1 diode	2 transistors
Controls	Output level	Output level
(Screwdriver adjust)	Tone frequency	Tone frequency
Terminations	4 Screw terminals	6 Screw terminals
Power required	117 V.A.C.	22-26 V.D.C. @ 4 MA.
Dimensions	6¾" x 3⅝" x 2¼"	5¼" x 3⅝" x 2¼"
Weight	2½ lbs.	1¼ lbs.
Finish	Cad. Plated with gold iridescent finish	Cad. Plated with gold iridescent finish

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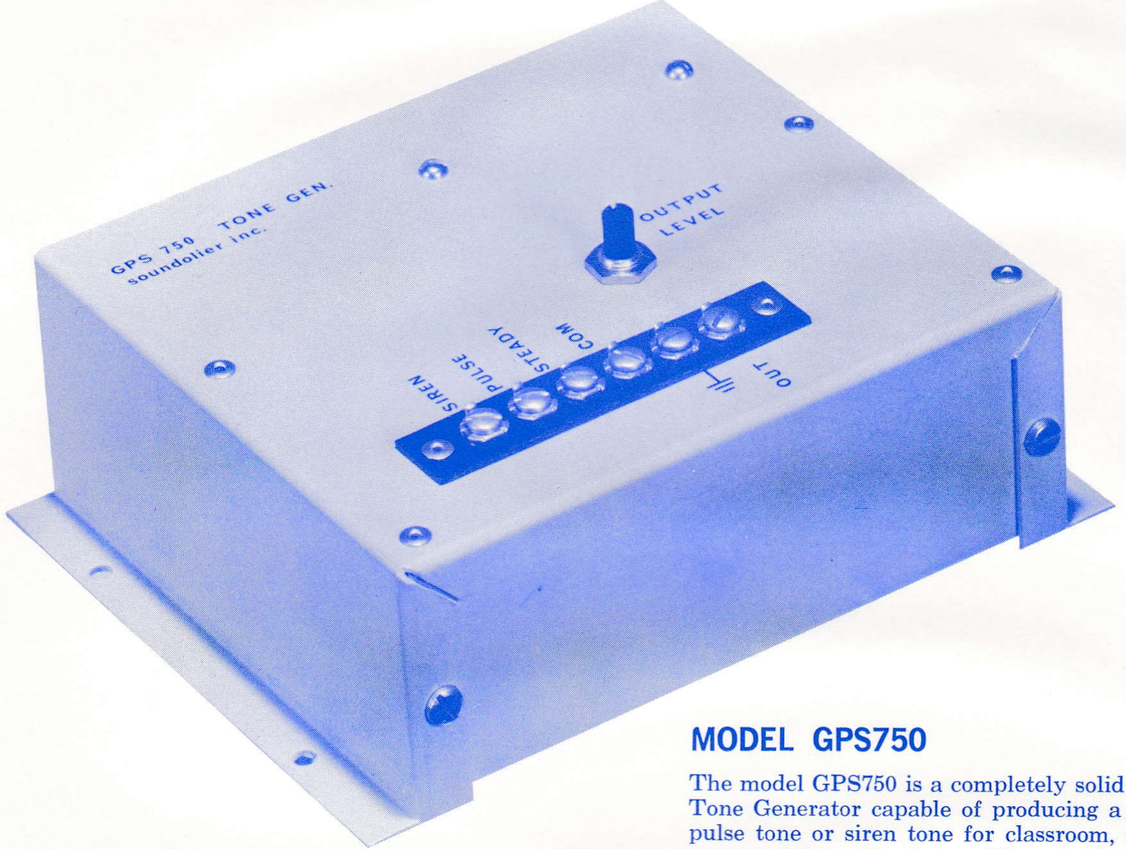
SOLID STATE TONE GENERATOR
MULTI-TONE

soundolier, inc.



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The Multi-Tone Generator shall be Soundolier model GPS750 or approved equal. The generator shall have provisions for a steady tone, a pulse tone and a siren tone. The frequency shall be adjustable from 600 Hz through 1000 Hz. The pulse tone shall be capable of being on for approximately 200 milliseconds and off 800 milliseconds. The siren tone shall be capable of sweeping about 300 Hz. The output level shall be one volt into a 10,000 ohm load and shall be adjustable. Each tone shall have provisions to be actuated by an external spst switch. The siren tone, pulse tone and steady tone shall take precedence in that order. The entire unit shall be completely solid state and have silicon devices for temperature stability. The unit shall have an internal power supply.

SPECIFICATIONS

Output Tones:	Steady, pulsed, siren
Frequency:	600 - 1000 Hz, adjustable
Output Level:	1 volt into 10K ohms, adjustable
Semiconductors:	5 transistors, 4 diodes
Terminations:	6 screw terminals
Power required:	117 V.A.C., 60 Hz
Dimensions:	6¾" x 5½" x 2¼"
Weight:	4 lbs.
Finish:	Baked enamel

MODEL GPS750

The model GPS750 is a completely solid state Multi-Tone Generator capable of producing a steady tone, pulse tone or siren tone for classroom, industrial or commercial applications. The steady tone has a square wave output and is adjustable from 600 Hz through 1000 Hz (screwdriver adjust). The pulse tone is produced by keying the generator so that the steady tone is on approximately 200 milliseconds and off 800 milliseconds. This pulse can be adjusted internally. See the instruction sheet. The frequency, of course, is also adjustable between 600 Hz and 1000 Hz. The siren tone sweeps about 300 Hz from the frequency chosen. This sweep can also be adjusted downward internally.

The output level is also adjustable and is capable of delivering a maximum of one volt into a 10,000 ohm load. The siren, pulse or steady tone can be keyed by an external switch (spst). When simultaneous switching takes place, the siren takes precedence over the pulse and the pulse tone takes precedence over the steady tone. A square wave output is available at the terminal marked "out".

The solid state circuitry includes silicon devices for temperature stability. There is a built-in power supply. Terminations are to screw terminals and the entire unit is extremely compact for mounting in any location. The chassis is constructed of sturdy CRS and is finished in a durable baked enamel. Complete with 6 ft. power cord.

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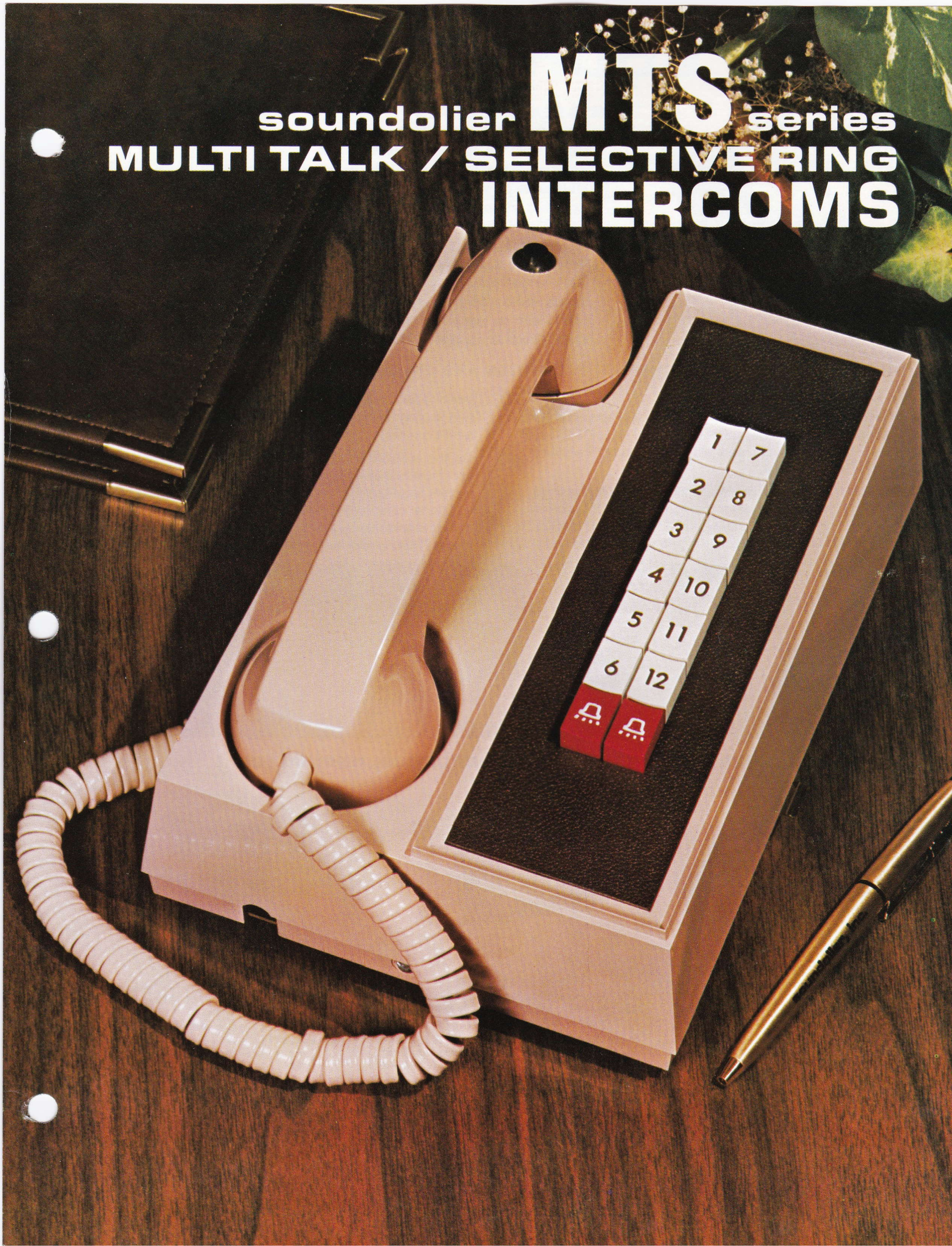
TELEPHONE INTERCOM STATIONS AND ACCESSORIES

Description	Model or Series	Specifications
Telephone intercom station	**WE2, WB2**	Completely wired, mounted on 2 gang stainless steel plate
Telephone intercom station	**WE4, WB4**	Completely wired, mounted on 4 gang stainless steel plate
Telephone intercom station	**WE0, WB0**	Completely wired, mounted on adapter for enclosure installation
Recessed telephone intercom housing	**TRE-1**	Recessed enclosure with door and lock assembly
Surface telephone intercom housing	**TSE-1**	Surface enclosure with door and lock assembly
Recessed telephone intercom housing	**TRC-1**	Recessed enclosure with trim frame only
Plaster frame	**TF-1**	Heavy gauge CRS, for mounting TRE-1 and TRC-1
2 gang surface box	**TS302**	Surface enclosure, mounts WT2 telephone intercom station
4 gang surface box	**TS304**	Surface enclosure, mounts WT4 telephone intercom station

(list additions below)

soundolier MTS series
MULTI TALK / SELECTIVE RING
INTERCOMS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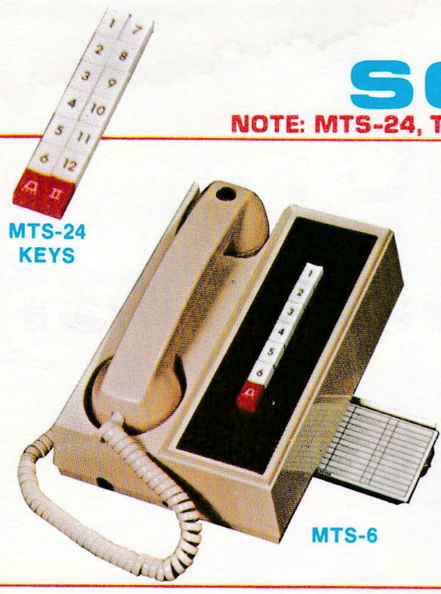
12

soundolier

NOTE: MTS-24, THE 25 STATION MODEL, IS NOT AVAILABLE AT THIS TIME.



MTS SERIES FEATURES

- Up to 25 stations for MTS Series
- Signal only the station you wish to call
- Zone or system paging capability with the use of the PAG-1 paging adapter
- Multi zone paging possible with additional PAG-1 paging adapter(s)
- Separate talk paths allow multiple conversations
- Tone signaling
- Page button in handset
- Conference call capability
- Desk or wall mounting
- Handy index slides out from bottom of housing
- PAG-1 can be used with existing background music systems
- Each phone is complete with connecting cable and terminal box

NOTE: The cable arrangement in text below should read "3 conductors plus one...for each station." Output protection under TS242 Power Supply should read "2 amp fuse." All specifications are correct in the "Installation and Operation" manual furnished with each power supply or upon request.

SYSTEM DESCRIPTION AND OPERATION

Series MTS—Multi Talk Selective Ring

Series MTS allows individual ringing and multiple talk paths. Up to 25 stations may be connected when using model MTS-24, up to 13 stations when using model MTS-12 and up to 7 stations when using model MTS-6.

Operation of the system is accomplished by lifting the handset and simply pushing the button corresponding to the station being called. This locks your station, via one of the multiple talk paths, to the station being called. Ringing is accomplished by pushing the "Bell" button. (If the talk path is busy, the conversation in progress will be heard; if not busy, the called station will emit a tone signal.)

On the MTS-24 Series, ringing of station 13 to station 25 is accomplished by pushing and locking the "II" button. The MTS system requires a cable arrangement of 4 conductors plus one additional conductor for each station. For example, a 7 station system would require an 11 conductor cable. The MTS requires model TS242 power supply for operation.

SPECIFICATIONS

Voltage required:	24 VDC (Use TS242)
Carbon transmitter	50 ohm impedence nominal
Dynamic receiver	200 ohm impedence nominal
Paging switch	SPDT (in handset)
Channel selector switches	DPDT ganged
MTS-6	7 switches
MTS-12	14 switches
MTS-24	14 switches

Current Used:

Ring current	77 milliamps
Page current	81 milliamps
Talk current per station	43 milliamps
Idle current	3.5 milliamps

Note: The above current ratings will vary slightly from station to station.

Material:

Housing: A beige mar-resistant high impact, high quality, ABS plastic housing.

Escutcheon plate: Textured dark brown plastic.

Base: 16 gauge CRS die formed with gold Iridite finish.

Total station weight	3 lb. 12 oz. (1.7 kg.)
Size	4⅜"H x 6⅜"W x 9⅛"L 111mmH x 162mmW x 232mmL

Interconnect cable: Connects intercom phone to local terminal box.

MTS-6	15 conductor cable
MTS-12	20 conductor cable
MTS-24	30 conductor cable

Local terminal box:

6 & 12 station size	5½"H x 4⅜"W x 1⅝"D 140mmH x 111mmW x 41mmD
24 station size	7⅜"H x 4⅜"W x 1⅝"D 187mmH x 111mmW x 41mmD

POWER SUPPLY, PAGING ADAPTER AND CENTRAL TERMINAL BOX

TS242 POWER SUPPLY

This unit is required for operation of each intercom system and all other accessories. Unit operates on 117 VAC 60 Hz.

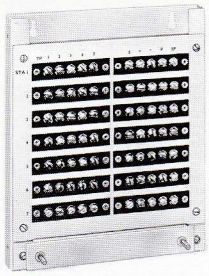
Power input	105-125 VAC, 60 HZ
Convenience outlet	117 VAC, not switched
Power output	24 VDC at 2 amps
Output watts	48
Input watts	64
Output terminals	External screw terminal strips
Output ripple	80 MV @ rated load
Weight	9 lbs.(4.08kg.)
Size	3⅞"H x 10⅞"W x 6"D 98mmH x 276mmW x 152mmD
Finish	Beige
Output protection	1 amp fuse
Input protection	Electronic circuit breaker

BGM VOL
BASS
TREB
TREB
BASS
PAGE VOL
BGM
PAGE
MODEL PAG-1 PAGE ADAPTER
Soundolier, inc.
A
B

PAG-1 ADAPTER

This unit is required to connect the telephone system to a paging system. Operates on 24 volts D.C. which is available from TS242 power supply.

Power Requirements	External 24 VDC (Available from TS242)
Controls	Page Volume Page Bass & Treble BGM Volume BGM Bass & Treble
External Connections	BGM Input-Phono Jack AMP Output-Phono Jack Power & Other—Screw Terminals
Size	2¾"H x 7"W x 3¾"D 70mmH x 178mmW x 95mmD
Finish	Beige



TBC-7
shown
without
cover

TBC-7 (-13, -25)

The TBC-7, -13, or -25 provides a central termination point for each phone station, thus minimizing cross talk between separate talk paths.

Material ...... 18-gauge CRS painted beige enamel

TBC-7 screw terminals for interconnect cables plus one spare terminal for field use.
Size .... 9½"H x 7¾"D x 2¼"D
241mmH x 197mmW x 57mmD

TBC-13 screw terminals for interconnect cables plus one spare terminal for field use.
Size .... 14¾"H x 10⅜"W x 2¼"D
375mmH x 264mmW x 57mmD

TBC-25 screw terminals for interconnect cables plus two spare terminals for field use.
Size .... 25¼"H x 16½"W x 2¼"D
641mmH x 419mmW x 57mmD

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TWX 910-761-1650

SL1240
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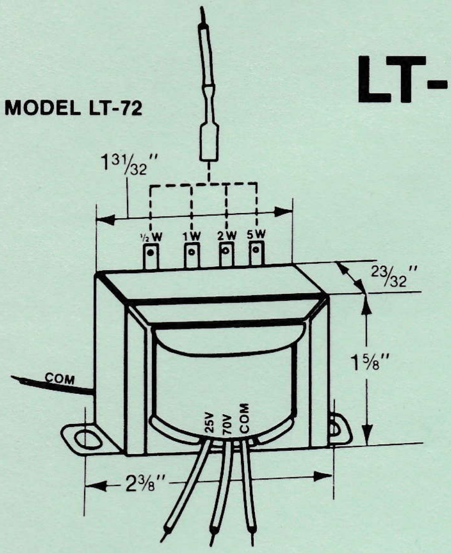
2 NEW PRODUCTS from soundolier

MODEL LT-72



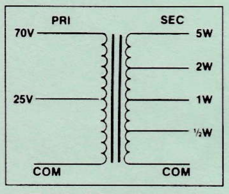
LT-72 DUAL VOLTAGE LINE TRANSFORMER

Soundolier Model LT-72 is a standard grade dual voltage (70.7/25V) economy transformer. This flexible model allows a choice of voltage selection on the primary via leads and wattage tap selection (.5, 1, 2 & 5 watt) on the secondary via fast on lead (included).

Insertion loss does not exceed 1.5 db and the frequency response is ±1.5 db from 100HZ - 10KHZ.

The LT-72 can be premounted to any Soundolier speaker. Call factory for pricing.

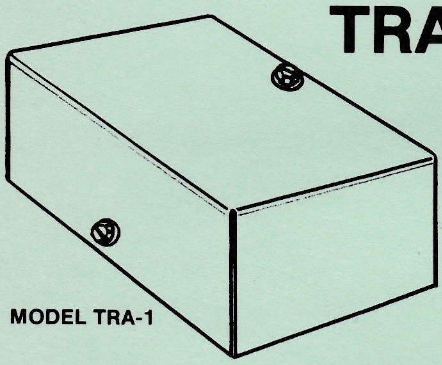
Please refer to page 20 of the December 1, 1981 price book for pricing.



LT-72 SCHEMATIC

SPECIFICATIONS										
MODEL NO.	PRI. VOLTS	FREQUENCY RESPONSE	TAPS	SECONDARY IMPEDANCE	INSERTION LOSS	PRIMARY TERMINATIONS	SECONDARY TERMINATIONS	CORE SIZE	POWER RATING	WEIGHT
LT-72	70/25	±1.5 db 100-10K	.5, 1, 2, 5W	8 ohms	1.5 db	6" Color Coded	Com Lead + Terminals	⅝ x ⅝	5 watt	.5 lbs.

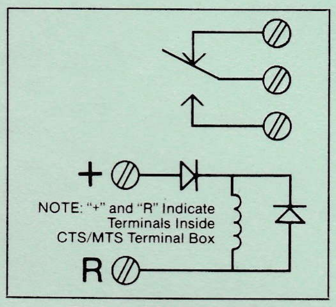
TRA-1 LOUD RING ADAPTER for CTS & MTS Intercom Systems



MODEL TRA-1

Soundolier Model TRA-1 ringer adaptor interfaces external signaling devices to the CTS and MTS Series Telephone Intercom Systems. It can also be used to operate other devices, such as door openers, signal lights, etc. The recommended maximum operating voltage of external signaling devices is 24 volts, AC or DC. The external signaling device current should not exceed 1 AMP (250 MA when using CTS or MTS system for signaling device power). The unit comes complete with Soundolier Insta-Mount tape for quick and easy mounting to smooth surfaces.

Please refer to page 33 of the December 1, 1981 price book for pricing.



NOTE: "+" and "R" Indicate Terminals Inside CTS/MTS Terminal Box

TRA-1 SCHEMATIC

MODEL NO.	RELAY CONTACT MAX. VOLTAGE	RELAY CONTACT MAX. CURRENT	RELAY COIL OPERATING VOLTAGE	RELAY COIL OPERATING CURRENT	SIZE	FINISH
TRA-1	24V, AC or DC	1 AMP	24VDC	5 MA	3⅝"L x 2½"W x 1⅝"H	Painted Beige

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TWX 910-760-1650

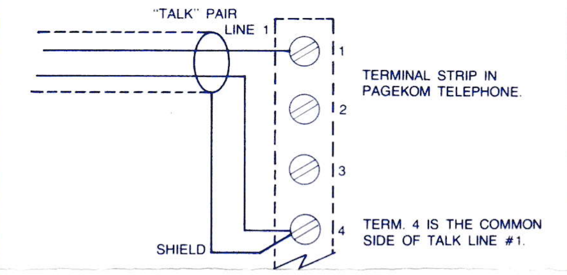
FOR YOUR INFORMATION:

INTERCOMMUNICATION SYSTEM WIRE GUIDE

The following information will serve as a guide when designing a PageKom installation. It will help you determine the proper wire size in conjunction with the number of phones used in a system.

Conductors

The PageKom Intercommunication System requires five conductors for the one line version (phone models PK101-W, PK201-W and PK301-D) and eight conductors for the two line version (phone models PK100-W, PK200-W and PK300-D). In addition, two conductors are required for models PK201-W, PK200-W, PK301-D and PK300-D speaker lines. You may run ten conductors on the model PK100-W or you may run eight conductor cables for all PK100-W stations and ten conductor cables for the PK200-W, PK300-D stations and the PKC24-30 control unit. The option you choose will largely depend upon the physical layout. As an example, if the PK100-W stations are interspersed, using ten conductor cable throughout might be advisable. Whatever your choice, we do recommend twisted pair or shielded pair cable. This shield should be connected to the "common" side of talk path (see Shielded Cable Detail). Twisted pair cable is usually satisfactory on smaller systems. In systems requiring long cable runs it is good practice to shield the "talk lines". Twisted pair cable has a certain amount of capacitance between conductors and on long runs can cause crosstalk.


"TALK" PAIR
LINE 1
1
2
3
4
TERMINAL STRIP IN PAGEKOM TELEPHONE.
TERM. 4 IS THE COMMON SIDE OF TALK LINE #1.
SHIELD

SHIELDED CABLE DETAIL

We also suggest that the speaker line pair be used to power only the speakers in the PageKom phones. If high power horn speakers are used in the system a separate speaker line should be installed. Amplifier instability may result if a large speaker load is connected to the speaker line in the multi-pair cable.

Wire Size

The selection of the wire size is critical only on the busy lite circuits. Other circuits will operate efficiently with 22 gauge wire. The wire charts (below) allow the installer to select a suitable wire size for the busy lite circuits. The chart, however, is only an approximation. The six volt drop is used as the criteria for selecting the next larger wire size. It is assumed that a six volt drop will not appreciably affect the lamp brightness. For more accurate information, each system must be calculated separately.

Wire Chart for One Line PageKom
(PK101-W, PK201-W, PK301-D)

CABLE LENGTH (FT.)	2	4	6	8	10	12	14	16	18	20	25	30
1000	22	22	22	20	20	18	18	18	18	18	16	
900	22	22	22	20	20	18	18	18	18	18	16	
800	22	22	22	20	20	20	18	18	18	18	16	16
700	22	22	22	22	20	20	20	18	18	18	16	16
600	22	22	22	22	22	20	20	20	18	18	18	16
500	22	22	22	22	22	22	22	20	20	20	18	16
400	22	22	22	22	22	22	22	22	20	20	20	18
300	22	22	22	22	22	22	22	22	22	22	20	20
200	22	22	22	22	22	22	22	22	22	22	22	22
100	22	22	22	22	22	22	22	22	22	22	22	22

NUMBER OF PHONES

Wire Chart for Two Line PageKom
(PK100-W, PK200-W, PK300-D)

CABLE LENGTH (FT.)	2	4	6	8	10	12	14	16	18	20	25	30
1000	22	18	16	16	14	14	14					
900	22	20	18	16	16	14	14	14				
800	22	20	18	18	16	14	14	14	14			
700	22	20	18	18	16	16	14	14	14	14		
600	22	22	20	18	16	16	16	14	14	14		
500	22	22	20	18	18	16	16	16	16	14	14	
400	22	22	20	20	18	18	18	16	16	16	14	14
300	22	22	22	20	20	20	18	18	18	16	16	16
200	22	22	22	22	22	20	20	20	20	18	18	16
100	22	22	22	22	22	22	22	22	22	22	20	18

NUMBER OF PHONES

To use the wire charts follow these simple steps:

(a) Determine the number of phone stations.

(b) Determine the length of cable in feet needed for the station busy lites.

(c) Select the number of phones to be used on the horizontal line on the chart.

(d) Then read vertically to the correct wire length in feet. The number in the square will be the recommended wire size.

The following table will be useful when 22 gauge wire is parallelled to obtain other gauges.

Seven 22 ga. wires in parallel = 14 gauge
Four 22 ga. wires in parallel = 16 gauge
Three 22 ga. wires in parallel = 18 gauge
Two 22 ga. wires in parallel = 20 gauge

For more information on Soundolier's one and two line PageKom systems, write:
Department SL 1146, Soundolier, Inc., 9380 Watson Industrial Park, St. Louis, Mo. 63126.

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SL 1146

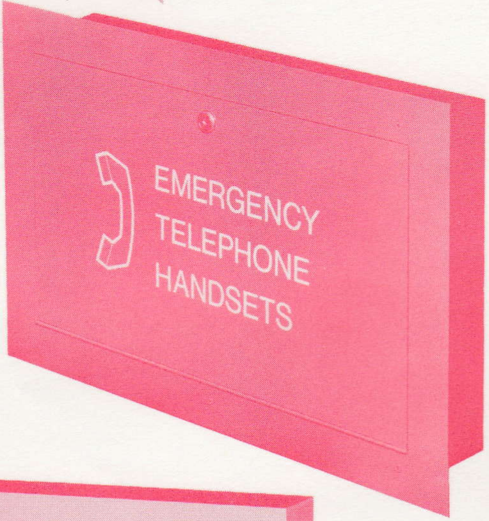
PRINTED IN U.S.A.

FIREMAN HANDSET STORAGE CABINET

TCR-6
TCS-6

NEW!

soundolier, inc.



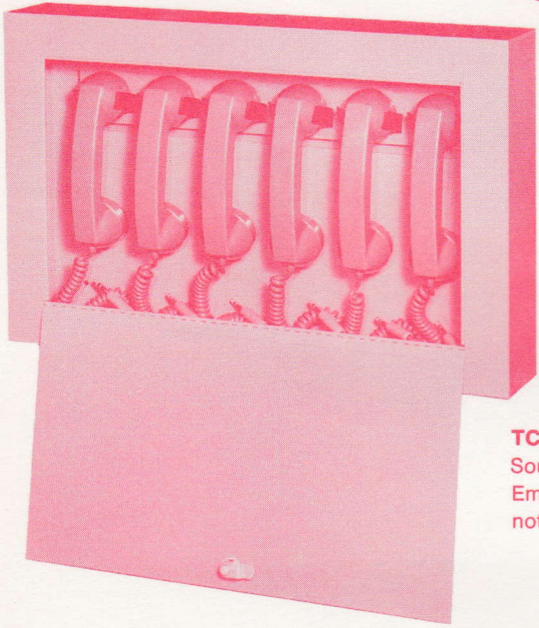
TCR-6

FEATURES

- **Completely Assembled**
- **All Welded Construction**
- **Heavy Gauge Construction**
- **Locking Front Door**

Soundolier's TCR and TCS-Series are storage cabinets for fireman handsets as used in a life safety audio evacuation system. Model TCS-6 is for surface mounting. Model TCR-6 is for recessed mounting. Each unit is constructed of heavy 16 gauge CRS door assembly and 20 gauge CRS enclosure and has provisions for hanging up to six emergency handsets (handsets not included). The front door with keylock assembly is securely spotwelded to the door frame via a sturdy piano hinge. Unit is painted red with white silkscreening on front of door.

The TCR and TCS Series is shipped complete with enclosure, front door assembly and handset hangers.

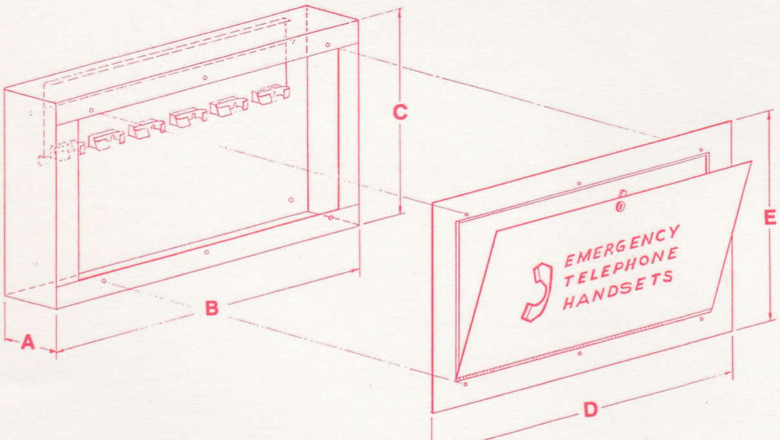


TCS-6 (Shown with Soundolier L20-320 Emergency Handsets not included)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The Fireman Handset Storage Cabinet shall be Soundolier Model ________________ (TCS-6 or TCR-6) or approved equal. It shall be constructed of 16 gauge CRS door assembly and 20 gauge CRS enclosure. The cabinet shall have a locking front door with the words "Emergency Telephone Handsets" silkscreened on front. The cabinet shall be complete with keylock assembly and hangers to accommodate up to six firemen emergency handsets. The standard finish shall be ______________ (If no color is specified Soundolier Emergency Red will be furnished).

MODEL	MOUNTING TYPE	WEIGHT
TCS-6	Surface	19 lbs.
TCR-6	Recessed	17 lbs.



DIMENSIONS					
MODEL	A	B	C	D	E
TCS-6	4" (102mm)	24⅛" (613mm)	15½" (394mm)	24" (610mm)	15⅜" (391mm)
TCR-6	4" (102mm)	21¼" (540mm)	13½" (343mm)	24" (610mm)	15⅜" (391mm)

SL 1262
Printed in U.S.A.

soundolier, inc.
9380 WATSON INDUSTRIAL PARK / ST. LOUIS, MO 63126, U.S.A.
(314) 962-9870 / TWX 910-760-1650

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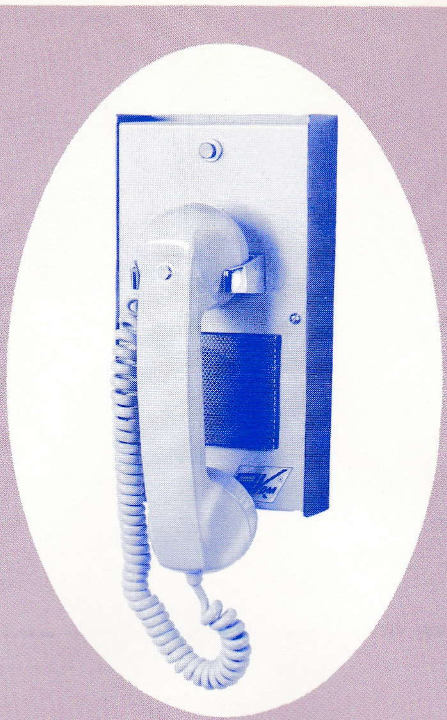
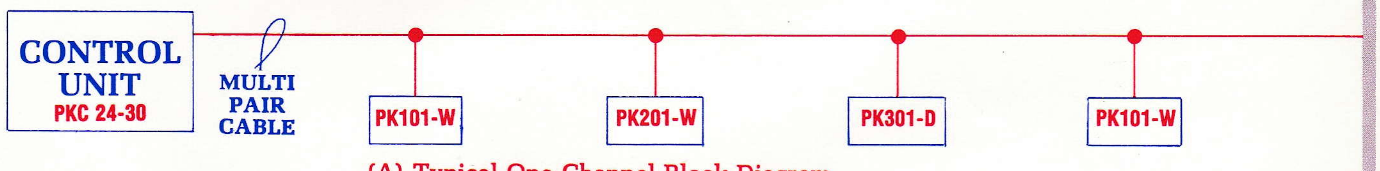


THE NEW SINGLE-CHANNEL PAGEKOM® GIVES YOU MORE...FOR LESS!

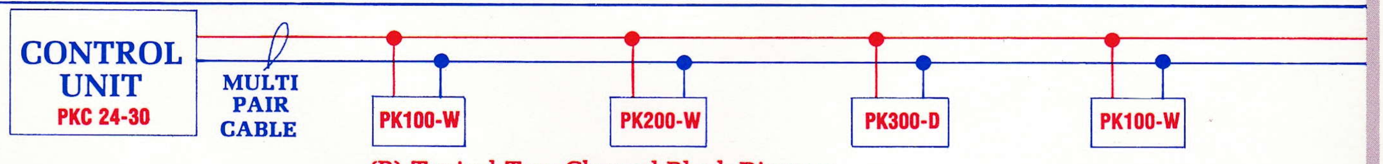
When you don't need more than a one-channel talk/page system, PageKom simplifies your problems with these outstanding features:

- **ECONOMY** . . . with a single-channel, savings are realized through simplified phone construction, cable and hook-up labor.
- **EASIER HOOK-UP** . . . for new systems, as well as for add-on's to an existing system, PageKom can be quickly and efficiently wired with one multi-pair cable.
- **CONTEMPORARY DESIGN** . . . Basic beige and dark brown color, blends well with conventional color schemes.
- **VOLUME CONTROL BUILT-IN** . . . All phone models that have built-in speakers have a simply adjusted volume control you can regulate to suit individual conditions.
- **BACKGROUND MUSIC** . . . Your existing or future background music system is easily integrated with PageKom.

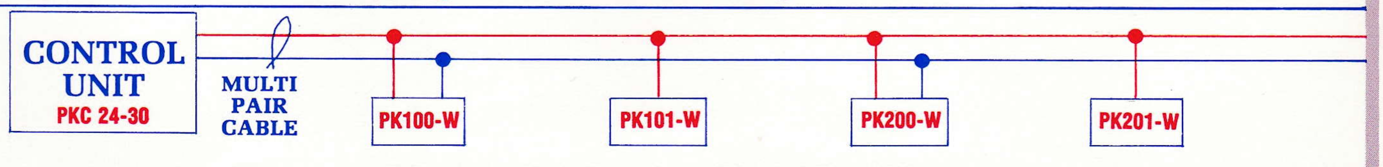
PAGEKOM GIVES YOU THIS KIND OF FLEXIBILITY


CONTROL UNIT
PKC 24-30
MULTI PAIR CABLE
PK101-W
PK201-W
PK301-D
PK101-W

(A) Typical One Channel Block Diagram


CONTROL UNIT
PKC 24-30
MULTI PAIR CABLE
PK100-W
PK200-W
PK300-D
PK100-W

(B) Typical Two Channel Block Diagram


CONTROL UNIT
PKC 24-30
MULTI PAIR CABLE
PK100-W
PK101-W
PK200-W
PK201-W

(C) Typical Mixed One & Two Channel Block Diagram

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SINGLE CHANNEL INTERCOMMUNICATION SYSTEM

PK101-W
PK201-W
PK301-D
PKC24-30
PK10-T
PK10-J

SECTION
T

soundolier, inc.

GENERAL DESCRIPTION

The PageKom Intercommunication System is a unique single channel, common talk-paging system which features a talk line and a "page only" line. The telephone stations are available in both wall and desk models and are controlled by an unusual power supply capable of quick expansion.

The PageKom single channel system is totally compatible with the PageKom two channel system. It is ideal for intercommunication where two channel phones are not required, thereby resulting in savings both in the instruments as well as the wiring.

The only other equipment required for a complete system is an amplifier plus the necessary wiring between stations.

MODEL PK101-W

The model PK101-W telephone station features a 500 style handset suitable for wall mounting. The transmitter is carbon and the receiver is dynamic. The paging switch is a SPDT push switch and is located conveniently on the handset. The hook switch hanger is made of handsome polished cast metal. The hook switch has 2 form C contacts and has terminals to mute internal or external speakers.

The wall box is made of heavy duty cold roll steel and is painted in two contrasting colors to match the beige handset.

All hook-up terminals are numbered for easy wiring.

MODEL PK201-W

The model PK201-W telephone station is identical with model PK101-W except for the addition of a 2½"speaker, 25 volt line transformer and 200 ohm potentiometer. The speaker has a 1 ounce magnet and a 45 ohm voice coil. The transformer has taps of ½ and 1 watt and is suitable for use on a 25 volt line. The potentiometer uses a screw driver adjustment and controls the volume of the speaker. The internal speaker is muted when the hook switch is activated.

MODEL PK301-D

The model PK301-D telephone station is identical to the model PK201-W except it is designed for desk use. It is contructed entriely of molded, high impact plastic and finished in an attractive beige. An accessory terminal box is available. See Model PK10-T.

MODEL PKC24-30

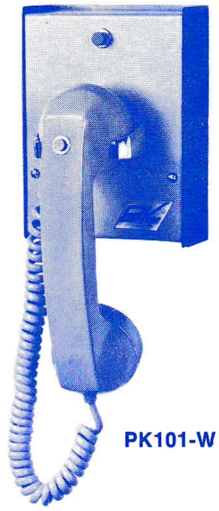
The model PKC24-30 control unit is the heart of the PageKom system. The power supply section has a full wave rectifier with silicon diodes. A pi-section filter is used for the talk lines. The output is 24 volts at 3 amps and can service up to 30 stations. An output of 24 VDC is available on an external terminal strip. A maximum current of 250 ma. at 24 VDC may be drawn from this source. This power source is fused to prevent overload. A jumper and terminal is provided for the simple addition of an auxiliary power supply. For 30 more stations (60 total), add a Soundolier PS24-32 power supply. For 20 more stations (50 total), add a Soundolier PS24-20 power supply. The relay section has one line and one page relay. The relays are 24 VDC with 700 ohm coils and 30 ma. operation. They are the plug-in variety for longer life and easy servicing. Each talk circuit has power supplied through a series silicon diode to reduce cross talk. Extra SPDT contacts on the page relay are brought out to terminals for the control of auxiliary equipment. A 100K ohm potentiometer with a screwdriver adjust controls the music input to the amplifier. The busy light circuits are individually fused to prevent overload of the power supply. A 115 VAC convenience outlet is provided.

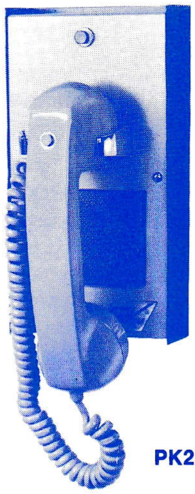
MODEL PK10-T

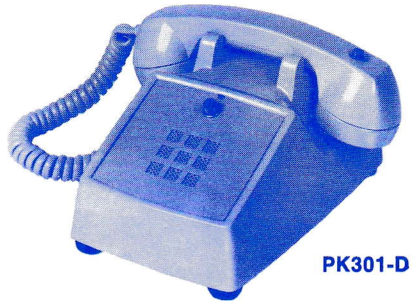
The model PK10-T terminal box is constructed of rugged CRS and is used with the model PK301-D desk station. It is complete with a ten conductor beige cable terminated with spade lugs for easy hook up to the telephone station. Terminals in the box are numbered for easy identification. The box is finished in a matching beige.

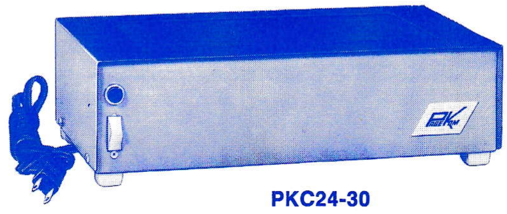
MODEL PK10-J

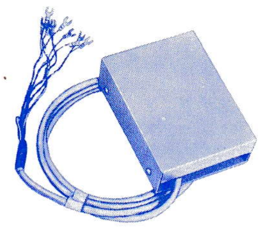
The model PK10-J is a sturdy CRS junction box with one 10-point barrier strip. All connections are completely covered. The finish is an attractive matching beige.

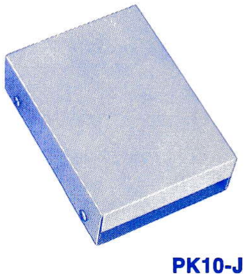

PK101-W


PK201-W


PK301-D


PKC24-30


PK10-T


PK10-J

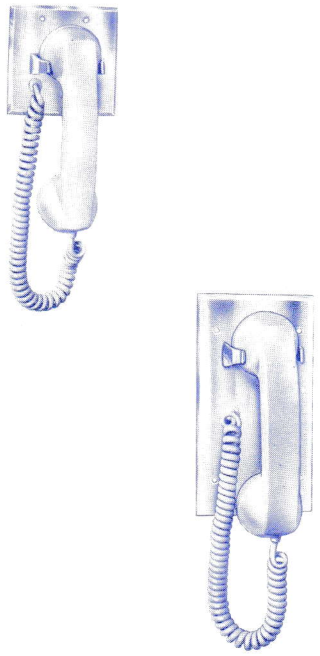
TELEPHONE INTERCOM ACCESSORIES

CE-MS
CE-AC
CB-AC
CE-D4
CB-D4
WE-D4
WB-D4
B18 AC

SECTION
Q

soundolier, inc.

TELEPHONE INTERCOM ASSEMBLIES — MINIATURE ENCLOSED SWITCH TYPE



Series CE-MS telephone intercom assemblies utilize a totally enclosed miniature snap action switch for dust free - long life operation. These assemblies consist of a "500" style handset, chrome hook and terminal block, completely mounted to either a 2 gang or 4 gang brushed stainless steel wall plate. The handset and coil cord set is available in either beige or black.

The hook switch and handset are pre-wired to a terminal strip for easy field hook up. A wiring diagram is affixed to the back of the mounting plate for your convenience.

SPECIFICATIONS:

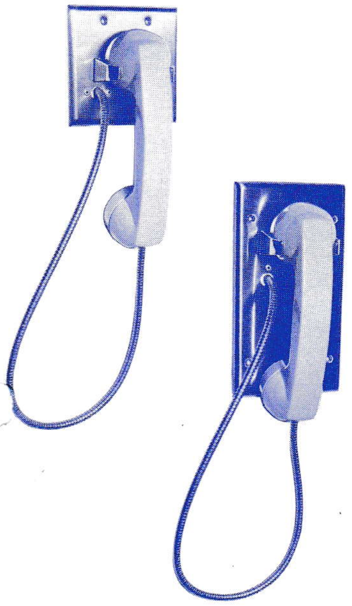
Switch —	Miniature snap action, DPDT
Contact rating —	2 amps, @ 24 VDC
Transmitter —	High quality carbon, 25 ohm impedance
Receiver —	Magnetic, ring armature diaphragm
Handset —	High impact thermoplastic
Hanger —	Steel, chrome plated
Mounting Plate —	Type 304 brushed stainless steel

MODELS:

CE2-MS	2 Gang	Beige
CE4-MS	4 Gang	Beige
CB2-MS	2 Gang	Black
CB4-MS	4 Gang	Black

CE2-PT — push buttons
FPS-24-20

TELEPHONE INTERCOM ASSEMBLIES — ARMORED CABLE TYPE



This series of telephone assemblies is designed for installations requiring vandal protection. The special feature is a 25″ stainless steel armored cable securely fastened to the mounting plate and handset.

The basic assembly consists of a "500" style handset available in beige or black, a chrome hook and terminal block completed mounted to either a 2 gang or 4 gang brushed stainless steel wall plate.

Switching consists of 2 form "C" switches (DPDT). The entire assembly is factory wired to a terminal block located on the rear of the wall plate and a wiring diagram is affixed for your convenience.

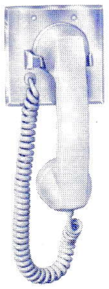
SPECIFICATIONS:

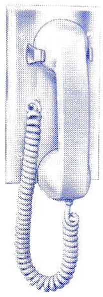
Switch —	2 form "C", DPDT
Contact rating —	1 amp @ 24 VDC
Transmitter —	High quality carbon, 25 ohm impedance
Receiver —	Magnetic, ring armature diaphragm
Handset —	High impact thermoplastic
Hanger —	Steel, chrome plated
Cable —	Stainless steel, 25″ length
Mounting plate —	Type 304 brushed stainless steel

MODELS:

CE2-AC	2 gang	Beige
CE4-AC	4 gang	Beige
CB2-AC	2 gang	Black
CB4-AC	4 gang	Black

TELEPHONE INTERCOM ASSEMBLIES — DYNAMIC TRANSMITTER TYPE





These intercom assemblies are designed for installations requiring the handset as a paging microphone. The dynamic transmitter is the low impedance type suitable for input to the Lo-Z mic input of the amplifier.

These dynamic transmitter models are available in the chrome hook and plastic cradle versions (see below). Each employ a "500" style handset available in either beige or black and a 2 form "C" switch configuration. The switch and handset are factory wired to a terminal block located on the rear of the mounting plate and a wiring diagram is affixed for your convenience. The mounting plate is either 2 gang or 4 gang stainless steel (except for WE0 and WB0 models).

SPECIFICATIONS:

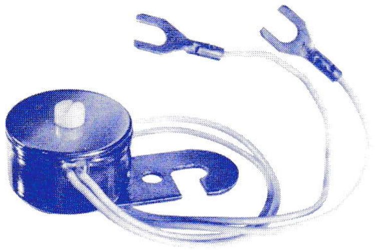
Switch — 2 form "C", DPDT
Contact rating — 1 amp @ 24 VDC
Transmitter — Dynamic, 150 ohms @ 1KHz.
Response — 200-4000 Hz
Receiver — Magnetic, ring armature diaphragm
Handset — High impact thermoplastic
Hanger — W Series — High impact thermoplastic
C Series — Steel, Chrome plated
Mounting Plate — Type 304 brushed stainless steel

MODELS:

CE2-DY	Chrome hook	2 gang	Beige
CE4-DY	Chrome hook	4 gang	Beige
CB2-DY	Chrome hook	2 gang	Black
CB4-DY	Chrome hook	4 gang	Black
WE2-DY	Thermo Plastic cradle	2 gang	Beige
WE4-DY	Thermo plastic cradle	4 gang	Beige
WB2-DY	Thermo plastic cradle	2 gang	Black
WB4-DY	Thermo plastic cradle	4 gang	Black
WE0-DY	Thermo plastic cradle	*	Beige
WB0-DY	Thermo plastic cradle	*	Black

*These models are designed to mount in Soundolier's TRE, TSE and TRC telephone housings.

AC BUZZER



This miniature AC buzzer is ideal for installing in telephone systems. The small size and convenient mounting bracket makes it simple to install behind the standard mounting plates used on all Soundolier intercom stations. Two 7½" insulated leads with spade lugs simplify hook-up within the telephone station. Model B18AC buzzer is designed for AC operation only. Soundolier model TPS24-20 telephone power supply is ideal for the AC power source.

A screw driver adjust permits easy change of volume level.

SPECIFICATIONS:

DC resistance — 150 ohms
Input voltage — 6 - 18 V.A.C.

MODEL:

B18AC

SOUNDOLIER CUSTOM TELEPHONE/INTERCOM DESIGN SERVICE

Soundolier stocks many non-standard components for use in custom telephone intercom station assemblies. Our custom design engineers are immediately at your service —ready to help you meet your special requirements. Send for complete details, or, if you wish, call "collect" to discuss your requirements with our engineering department. A firm quotation will be sent to you promptly.

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PageKom® INTERCOMMUNICATION SYSTEM

PK100-W
PK200-W
PK300-D
/
PKC24-30
PK10-T
PK10-J

soundolier, inc.

LINE 1
PAGE ONLY
LINE 2
PageKom

PK100-W

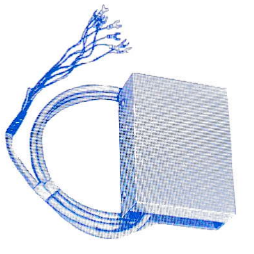
LINE 1
PAGE ONLY
LINE 2
PageKom

PK200-W

LINE 1
PAGE ONLY
LINE 2
PageKom

PK300-D

PK10-J



PK10-T

PKC24-30

GENERAL DESCRIPTION

The PageKom Intercommunication System is a unique three channel, common talk-paging system which features two talk lines and a "page only" third line. The telephone stations are available in both wall and desk models and are controlled by an unusual power supply capable of quick expansion.

MODEL PK100-W

The model PK100-W telephone station features a 500 style handset suitable for wall mounting. The transmitter is carbon and the receiver is dynamic. The paging switch is a SPDT push switch and is located conveniently on the handset. The hook switch hanger is made of handsome polished cast metal. The hook switch has 2 form C contacts and has terminals to mute internal or external speakers. The line-page switch is a double pole, three position slide switch with a decorative button. When in the center position, paging may be accomplished without disturbing the "talk" channels. A brightly lit red busy light is used for channel one and a green busy light is used for channel two. The wall box is made of heavy duty cold roll steel and is painted in two contrasting colors to match the beige handset. The nomenclature for the available lines is attractively silk screened on the box. All hook-up terminals are numbered for easy wiring.

MODEL PK200-W

The model PK200-W telephone station is identical with Model PK100-W except for the addition of a 2½" speaker, 25 volt line transformer and 50 ohm potentiometer. The speaker has a 1 ounce magnet and a 45 ohm voice coil. The transformer has taps of ½ and 1 watt and is suitable for use on a 25 volt line. The potentiometer uses a screw driver adjustment and controls the volume of the speaker. The internal speaker is muted when the hook switch is activated.

MODEL PK300-D

The Model PK300-D telephone station is identical to the model PK200-W except it is designed for desk use. It is constructed entirely of molded, high impact plastic and finished in an attractive beige. An accessory terminal box is available. See Model PK10-T.

MODEL PKC24-30

The Model PKC24-30 control unit is the heart of the PageKom system. The power supply section has a full wave rectifier with silicon diodes. A pi-section filter is used for the talk lines. The output is 24 volts at 3 amps and can service up to 30 stations. An output of 24 VDC is available on an external terminal strip. A maximum current of 250 ma. at 24 VDC may be drawn from this source. This power source is fused to prevent overload. A jumper and terminal is provided for the simple addition of an auxiliary power supply. For 30 more stations (60 total), add a Soundolier PS24-32 power supply. For 20 more stations (50 total), add a Soundolier PS24-20 power supply. The relay section has two line and one page relay. The relays are 24 VDC with 700 ohm coils and 30 ma. operation. They are the plug-in variety for longer life and easy servicing. Each talk circuit has power supplied through a series silicon diode to reduce cross talk. Extra SPDT contacts on the page relay are brought out to terminals for the control of auxiliary equipment. A 100K ohm potentiometer with a screwdriver adjust controls the music input to the amplifier. The busy light circuits are individually fused to prevent overload of the power supply. A 115 VAC convenience outlet is provided.

MODEL PK10-T

The Model PK10-T terminal box is constructed of rugged CRS and is used with the model PK300-D desk station. It is complete with a ten conductor beige cable terminated with spade lugs for easy hook up to the telephone station. Terminals in the box are numbered for easy identification. The box is finished in a matching beige.

MODEL PK10-J

The Model PK10-J is a sturdy CRS junction box with one 10-point barrier strip. All connections are completely covered. The finish is an attractive matching beige.

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TYPICAL SYSTEM OPERATION

To initiate a call, the calling party selects an unused line by noting which lite is not illuminated. Position the selector switch to the unused line. Remove the handset, depress the page button and page the desired party. If you are using line two, request the paged party to select line 2 or green lite. When the paged party selects the proper channel and lifts the handset, conversation may begin immediately. Replacing both handsets frees the line for future use.

Should both lines be in use, position selector switch to "page only" and lift handset. By depressing page button, you can page the desired party and request he return your call when lines are free. During the paging process, the background music is automatically muted.

SPECIFICATIONS

MODELS PK100-W, PK200-W AND PK300-D

SPECIFICATIONS	PK100-W	PK200-W	PK300-D
Carbon transmitter — 200 ohm impedence	X	X	X
Dynamic receiver — 50 ohm impedence	X	X	X
Paging switch — SPDT	X	X	X
Channel selector switch — DP-3 position	X	X	X
Volume control — internal	None	X	X
Speaker muting contacts	X	X	X
Channel lites (28 volts) — red and green	X	X	X
Speaker — 2½", 1 oz. magnet	None	X	X
Transformer, 25 volts, ½, 1 watt taps	None	X	X
Screw terminal connections	X	X	X
Finish — all beige	—	—	X
Finish — beige & contrasting color	X	X	—
Weight	3 LBS.	4 LBS.	3½ LBS.

MODEL PKC24-30

Power input:	105-125 VAC, 60 Hz
Convenience outlet:	117 VAC, not switched
Power output:	24 VDC @ 3 amps—(operates up to 30 telephones)
External power input:	24 VDC up to 3 amps — (expands system for an additional 30 phones)
Auxiliary output power:	24 VDC @ 250 ma. fused
Fused circuits:	Transformer primary, power to busy light circuits, auxiliary output power.
Relays:	Plug-in type with plastic dust cover, DPDT, 24 VDC coil, 3 amp contact rating
Program input:	Any background music source, internal level adjustment
Auxiliary contacts:	SPDT contacts, actuated when paging
Terminations:	Screw terminals for system wiring, phono plugs for amplifier and program source
Finish:	Light blue with contrasting black cover
Size:	3½" H × 13½" W × 7¾" D
Weight:	11½ LBS.

MODEL PK10-T

Size:	5⅝" H × 4⅛" W × 1⅝" D
Finish:	Chassis and cover, beige
Weight:	1½ LBS.
Termination:	Screw terminals, one 10 point barrier strip numbered and covered.
Cable:	Ten conductor, 6 ft. length, beige finish. Free end terminated with spade lugs.

MODEL PK10-J

Size:	5⅝" H × 4⅛" W × 1⅝" D
Finish:	Chassis and cover, beige
Weight:	1 LB.
Termination:	"Same as model PK10-T"

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The Telephone Stations shall be the Soundolier model PK100-W wall type (PK200-W wall type) (PK300-D desk type) or approved equal. The handset shall be the standard 500 style and shall have a carbon transmitter and a dynamic receiver. The paging switch on the handset shall be SPDT and shall be a push switch. The channel selector switch shall be double pole, three position. There shall be a separate page position. There shall be terminals for external (when using model PK100-W) or internal (when using models PK200-W and PK300-D) speaker muting when paging. There shall be a red and a green busy light. The nomenclature shall be silk screened.

Add to models PK100-W and PK200-W: The hanger shall be polished cast metal. The hook switch shall have 2 form C contacts and shall be mounted on a rugged CRS housing finished in two contrasting colors to match beige handsets.

Add to models PK200-W and PK300-D: The station shall have a 2½" speaker with a 1 ounce magnet. The line transformer shall be for a 25 volt line with ½ and 1 watt taps. There shall be a 50 ohm screwdriver adjust potentiometer to control speaker volume.

Add to model PK300-D: It shall consist of a beige molded, high impact plastic handset and case. It shall be designed to use with Soundolier model P10-T terminal box or approved equal.

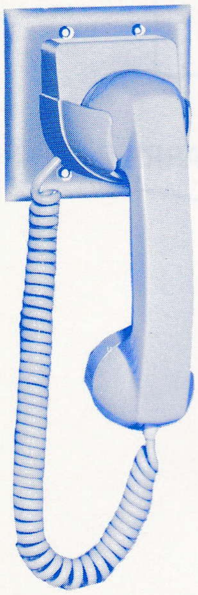
The Power control unit shall be Soundolier model PKC24-30 or approved equal. The power supply section shall be 24 volts, 3 amp with a pi-section filter. The unit shall be capable of supplying 30 telephone stations. There shall be a provision to add the power capability of up to 30 more stations with the simple addition of an external power supply. The relays shall be the plug-in type with plastic dust covers for protection. Each talk circuit shall have power supplied through a series silicon diode to reduce cross talk. There shall be extra contacts on the page relay and they shall be brought to an external strip for controling auxiliary equipment. There shall be a 100K potentiometer, screw driver adjust, to control music input to the amplifier. Each busy light channel shall be fused to avoid power supply overload.

The junction boxes shall be Soundolier model PK10-J or approved equal. There shall be one 10 point barrier strip. All connections shall be covered. The box shall be constructed of CRS and shall be finished in a matching beige.

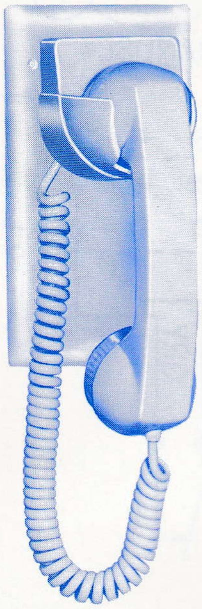
The terminal box for all desk type stations shall be Soundolier PK10-T or approved equal. The box shall be complete with a 10 conductor beige cable terminated with spade lugs. The box shall be constructed of sturdy CRS and be finished in a matching beige.

TELEPHONE INTERCOM STATIONS
(COMPLETELY WIRED)

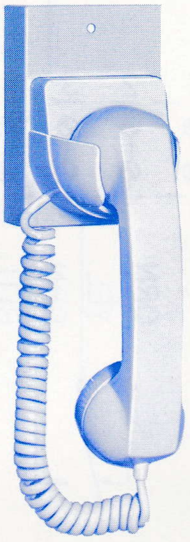
soundolier, inc.



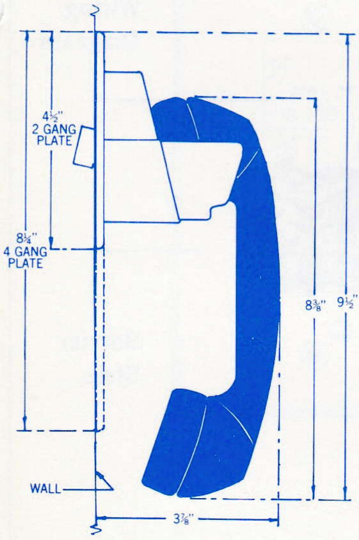
WE2 **WB2**



WE4 **WB4**



WEO **WBO**



ELECTRICAL SPECIFICATIONS

TRANSMITTER: Carbon, non positional. Approximately 25 ohms impedance. 57 db minimum output @ 300 Hz.

RECEIVER: Ring armature diaphragm type. Approximately 150 ohms impedance @ 1K Hz.

CONTACTS: Contacts rated at 1 ampere, 125 watts, A.C. resistive load.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The telephone intercom station shall be a Soundolier model WE2, (WB2, WE4, WB4, WEO, WBO). (When using WEO or WBO, add "suitable for mounting to Soundolier Model ________ line enclosure or approved equal.") The hookswitch, transmitter and receiver shall be wired at the factory. A barrier strip shall be used for hook-up to guard against short circuits. The hook switch shall be easily accessible for adjustment. The color shall be an attractive beige (black). The unit shall be constructed of tough and durable thermoplastic. Only commercial quality carbon transmitter and magnetic receivers shall be used. The hook switch shall be a leaf type with cross bar palladium contacts. All leads shall be color-coded and have spade lug terminals. The mounting plate (if used without enclosure) shall be constructed of specification grade brushed stainless steel. The mounting plate shall be a 2 gang (4 gang) and shall mount to a standard electrical box.

Models WE2 and WB2

The WE2 and WB2 telephone intercom stations are completely assembled at the factory and ready for installation. The hook switch is completely wired to a barrier strip and the transmitter and receiver are also wired to the strip. See figure 1 for the complete wiring diagram. Transmitter and receiver leads can be connected in other positions upon request.

A complete wiring diagram is affixed to the back of each telephone for your convenience. See figure 2. All leads are color-coded and equipped with spade lugs for quick modifications.

Models WE2 and WB2 telephone intercom stations are mounted on 2 gang stainless steel wall plates which can be installed on standard 2 gang outlet boxes. See below for 4 gang mounting and telephone enclosure mounting.

Models WE2 and WB2 telephone intercoms exhibit a number of exclusive and special features. They are:

- completely assembled and wired as discussed above
- standard modern design for handset and cradle
- attractive beige or black color (order WE2 for beige and WB2 for black)
- constructed of durable and tough thermoplastic
- commercial quality carbon transmitter and magnetic receiver for clear, crisp, speech reproduction
- long life leaf type switch with cross bar palladium contacts
- a DPDT switch which can be used as a form A, B or C as required
- hook switch easily accessible for adjustment
- exclusive barrier strip arrangement insures against shorts and allows for quick changes
- all leads color-coded and with spade lug terminals.
- attractive brushed stainless steel wall plates—mounts to standard electrical boxes
- mounting hardware included

The WE2 and WB2 telephone intercom stations are especially designed for school intercom telephone systems, telephone paging systems, common talk telephone systems or wherever telephone intercom stations are needed.

Variations in wiring and additional components are available upon request. (Black and beige are standard. Other colors upon request).

Models WE4 and WB4

The models WE4 and WB4 telephone intercom stations are similar to the WE2 and WB2 stations except they are mounted on 4 gang plates.

Models WEO and WBO

The Models WE0 and WB0 telephone intercom stations are similar to the WE2 and WB2 stations except they are for use with Soundolier telephone enclosures. See telephone housing specification sheet.

CONTINUED ON REVERSE SIDE

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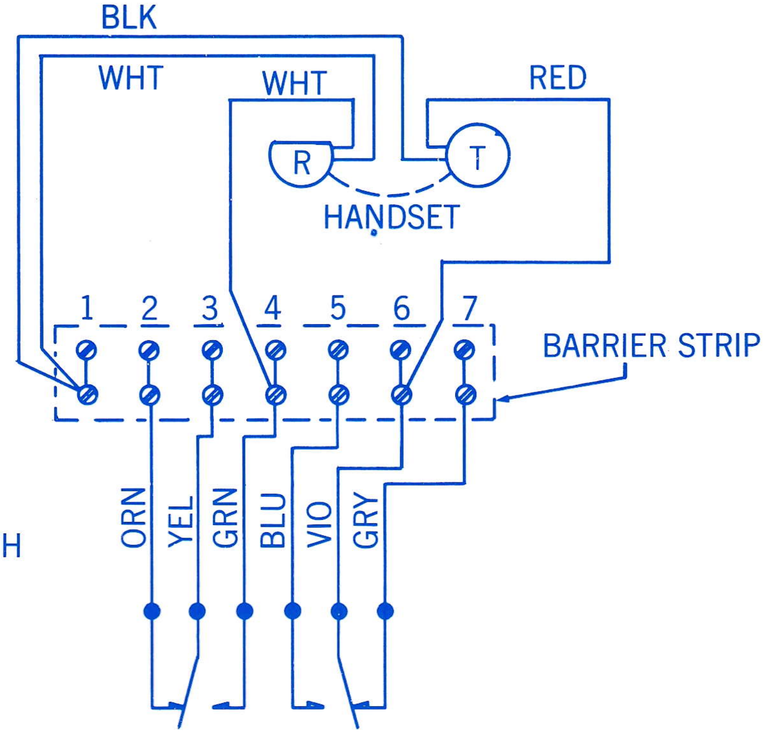
(FIG. 1)

TELEPHONE WIRING DIAGRAM

All telephones are supplied, wired as shown. Special wiring is available upon request.


BLK
WHT
WHT
RED
R
T
HANDSET
1
2
3
4
5
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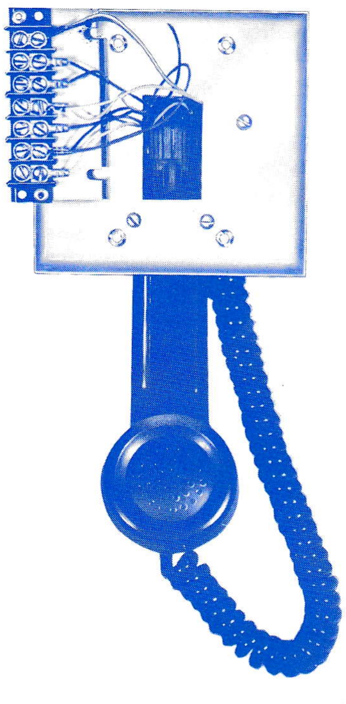
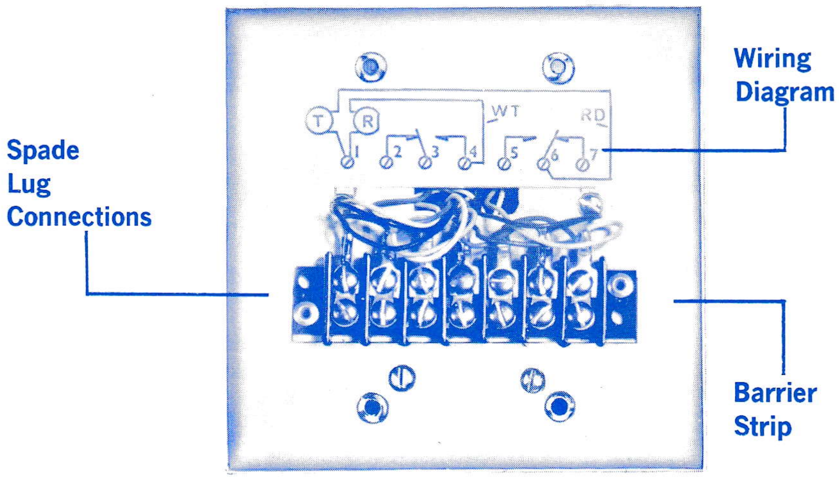
BARRIER STRIP
ORN
YEL
GRN
BLU
VIO
GRY

HOOK-SWITCH SHOWN WITH HAND-SET "ON" HOOK




Wiring Diagram
Spade Lug Connections
Barrier Strip
T
R
WT
RD
1
2
3
4
5
6
7

(FIG. 2)

Rear view of WE2-WB2 telephone intercoms showing terminal strip removed, to provide access to hook-switch. (WE4, WB4, WEO & WBO similiar except for plate.)

Rear view of WE2-WB2 telephone and intercom stations. (WE4, WB4, WEO, WBO similar except for plate.)

PARTS LIST				
	TU-1	Transmitter Unit - Carbon	RCB-1	Receiver Cap - Black
	RU-1	Receiver Unit - Magnetic	RCE-2	Receiver Cap - Beige
	TCB-1	Transmitter Cap - Black	CBK-1	Coiled Cord - Black
	TCE-2	Transmitter Cap - Beige	CEK-2	Coiled Cord - Beige

TELEPHONE INTERCOM ACCESSORIES

C SERIES / H52 SERIES
W SERIES / CX SERIES
DP SERIES / PT SERIES
TPS SERIES / TS SERIES

SECTION
Q

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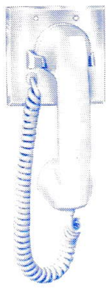
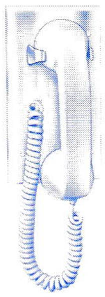
TELEPHONE INTERCOM STATIONS – METAL HANGER TYPE



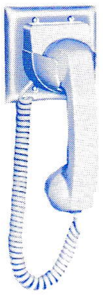


Series "C" is a complete handset/hookswitch assembly designed for integration into virtually any telephone intercom system. Assembly consists of a "500" style handset, chrome hook and terminal block, completely mounted to either a 2 gang or 4 gang brushed stainless steel plate. The handset is available in either beige or black.

The assembly utilizes 2 form "C" switches (DPDT) completely wired to a terminal strip. In addition, the transmitter and receiver are also wired to the terminal strip. A wiring diagram is affixed to the back of each plate for your convenience. All leads are color coded and equipped with spade lugs for quick modification.

Models:	**CE-2**	**2 gang**	**Beige**
	CE-4	**4 gang**	**Beige**
	CB-2	**2 gang**	**Black**
	CB-4	**4 gang**	**Black**

TELEPHONE INTERCOM STATIONS – PLASTIC CRADLE TYPE



The "W" series is a telephone handset/hookswitch assembly utilizing a thermoplastic cup cradle mounted on an attractive 2 gang or 4 gang brushed stainless steel plate. The assembly has a "500" style handset. The switching consists of 2 form "C" switches (DPDT). A terminal block is provided on the rear of the plate. Switches, transmitter and receiver are completely wired to the terminal strip. A wiring diagram is affixed to the back of each plate for your convenience. All leads are color coded and equipped with spade lugs for quick modification.

The WE-0 and WB-0 models are similar to the WE and WB models except they are for use with Soundolier telephone enclosures. Consult our specification manual for details. A special mounting plate is provided.

Models:	**WE-2**	**2 gang**	**Beige**
	WE-4	**4 gang**	**Beige**
	WB-2	**2 gang**	**Black**
	WB-4	**4 gang**	**Black**
	WE-0	**––**	**Beige**
	WB-0	**––**	**Black**

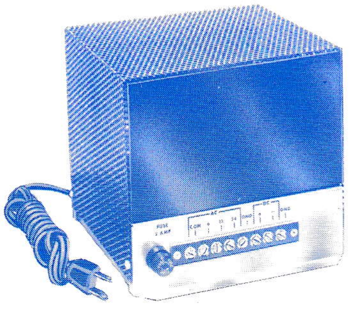
DESK INTERCOM STATION – "500" STYLE

Model DP-1 is a "500" style desk phone designed for integration into virtually any telephone intercom system. The desk phone is furnished less ringer, induction coil and dial but supplied with a dial blank.

The transmitter and receiver as well as the 2 form "C" switches (DPDT) are completely wired to a terminal block located in the interior of the phone. Spade lugs are on all leads for quick modification.

Model: **DP-1**
Color: **Beige**

TELEPHONE POWER SUPPLY



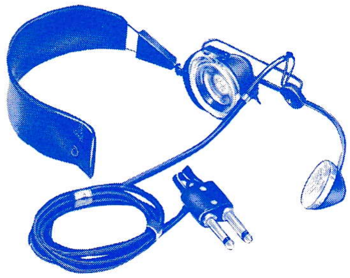
The TPS24-20 is a combination low voltage AC and TALK voltage power supply. It is designed to power most common talk telephone intercom systems. A retard coil is included in the talk voltage circuit.

AC and TALK voltage outputs are 6 volts, 12 volts and 24 volts at 2 amps. A ventilated cover is included.

Specifications:

Input power:	**117 VAC @ 60 Hz.**
Output power:	**Talk voltage: 6, 12 & 24 volts @ 2 amps** **AC voltage: 6, 12 & 24 volts @ 2 amps**
Ripple (talk voltage):	**Less than .125% (30 mv RMS) @ 2 amps**
Terminations:	**Screw terminals**
Size:	**7-3/8" x 6-7/8" x 6-9/16" high**
Chassis finish:	**Cadmium plated with gold irridescent finish**
Cover finish:	**Black baked enamel**

OPERATOR'S HEADSET



Model H-52 is an operator's headset (52AW type). The headset contains a carbon microphone, single dynamic earset, a 4 ft. nylon cord and a dual telephone type plug assembly. The headband is padded leather.

Model: **H-52**

NOISE-CANCELING TRANSMITTER

Series CX is a noise-cancelling telephone transmitter designed to acoustically cancel background noises. It is directly interchangeable with the transmitter element in a "500" style handset. Available in beige or black.

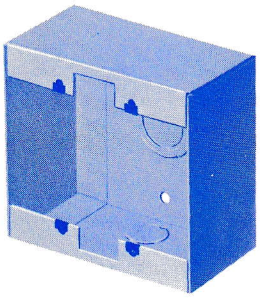
Models:	**CX-E**	**Beige**
	CX-B	**Black**

"500" STYLE HANDSET WITH PUSH-TO-TALK BUTTON

Series PT is a standard "500" style handset with the addition of a push-to-talk button located conveniently on the handset. The switch contact arrangement is form "C" (SPDT) and is wired as form "A" (SPST) thus making it ideal for use in relay control, two-way radio or other switch applications.

Available on all Soundolier hook-switch assemblies. Add suffix -PT to model number. (Example- WE-2-PT or CB-4-PT)

SURFACE MOUNTING BOXES



Models TS302 and TS304 are attractive and sturdy CRS boxes designed for surface mounting all Soundolier intercom station assemblies. Knockouts are provided on the bottom and back. Two mounting holes are conveniently located for mounting to an outlet box if required. Finish is beige.

Models:	**TS302**	**2 gang**
	TS304	**4 gang**

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TELEPHONE INTERCOM HOUSINGS

TELEPHONE ACCESSORIES / TRE-1 TSE-1 TS-302
TRC-1 TF-1 TS-304

SECTION
T

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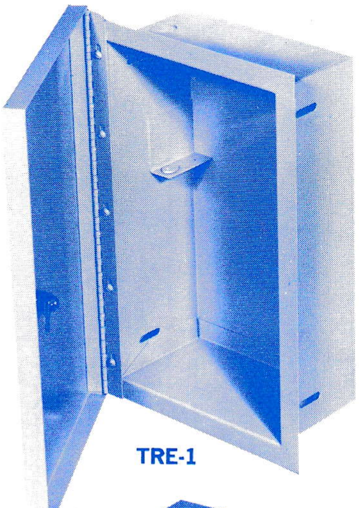
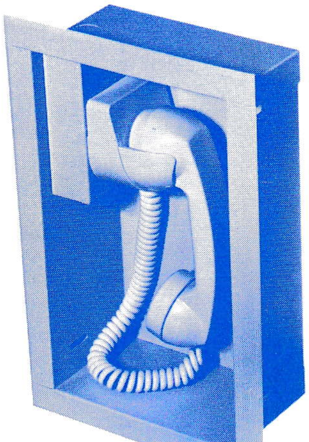
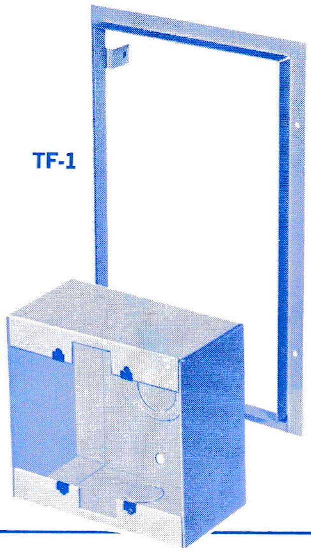


TRE-1

TSE-1



TRC-1
(Shown with WEO installed - order separately)



TF-1

TS-302 TS-304
(Two gang model shown)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS (TSE-1 & TRE-1)

The telephone intercom housing shall be the Soundolier Model TSE-1 (TRE-1) or approved equal. The unit shall be of a surface (recessed) design. The TSE-1 (TRE-1) housing shall include a hinged front door with a cylinder lock. It shall be constructed of sturdy CRS with a beige baked enamel finish. A ½" knock-out shall be included in an appropriate position. The entire unit shall be specifically designed to mount the Soundolier WEO or WBO telephone intercom stations or approved equal. A Soundolier TF-1 plaster frame or approved equal shall be used.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS (TRC-1)

The telephone intercom housing shall be the Soundolier® Model TRC-1 or approved equal. The unit shall exhibit a beveled trim frame having a pleasing appearance. The unit shall be of a recessed design. It shall be constructed of sturdy CRS with a beige baked enamel finish. A ½" knock-out shall be included in an appropriate position. The entire unit shall be specifically designed to mount the Soundolier WEO or WBO telephone intercom stations or approved equal. A Soundolier TF-1 plaster frame or approved equal shall be used.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS (TS302 & TS304)

The surface enclosure shall be Model TS302 (TS304) or approved equal. The unit shall be specifically designed to mount the WE2 (WB2, WE4, WB4) Soundolier telephone intercom stations or approved equal. A ½" knock-out shall be provided in the bottom and a combination knock-out in the back. The entire unit shall be constructed of sturdy CRS. The finish shall be beige baked enamel.

Model TRE-1

The Model TRE-1 is a recessed housing specifically designed for use with the Soundolier Model WE0 or WB0 telephone intercom stations. The unit includes a hinged front door which exhibits a cylinder lock. The housing is constructed of heavy gauge CRS and is completely welded. All exposed screw heads are eliminated. The Model TRE-1 may be mounted directly to studs or may be used with the Soundolier Model TF-1 plaster frame (see below). The depth of the unit is 3¾" which is designed to fit a standard 4" wall. A ½" knock-out is provided on the top of the housing. It is finished in an attractive hard baked enamel which matches the beige finish of the Soundolier Model WE0 telephone intercom station. It contrasts attractively with the Model WB0 intercom station. Each unit is complete with two keys. All necessary hardware is furnished.

Model TSE-1

The Model TSE-1 is similar to the Model TRE-1 except that it is designed for surface mounting It also includes a hinged front door. A ½" knock-out is provided on the back of the unit. Appropriate mounting holes are also provided.

Model TRC-1

The Model TRC-1 is a recessed housing specifically designed to mount the WE0 or WB0 telephone intercom stations. Construction is similar to the Model TRE-1 except that it does not have a front door. A beveled trim frame presents a smooth, pleasing appearance. The unit may be mounted directly to studs or may be used with a Model TF-1 plaster frame. A ½" knock-out is provided on the top of the enclosure. All necessary hardware is included.

Model TF-1

The Model TF-1 is a plaster frame designed specifically for use with the Model TRE-1 and the Model TRC-1 recessed housings. The frame is constructed of sturdy CRS. Plaster depth may be adjusted. The unit is finished in a rust preventative coating.

Model TS302

The Model TS302 surface enclosure is designed to mount the Model WE2 or WB2 telephone intercom stations. A ½" knock-out is provided in the bottom and a combination knock-out is provided in the back. Two mount holes are located so the enclosure can be mounted to a standard outlet box. The entire unit is constructed of heavy gauge CRS and is welded throughout. The finish is a baked enamel beige which matches the finish of the WE2 telephone intercom stations. It contrasts attractively with the model WB2 intercom stations.

Model TS304

The Model TS304 is similar to the TS302 except that it mounts the Soundolier Model WE4 telephone intercom stations.

CONTINUED ON REVERSE SIDE

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Telex 44-865

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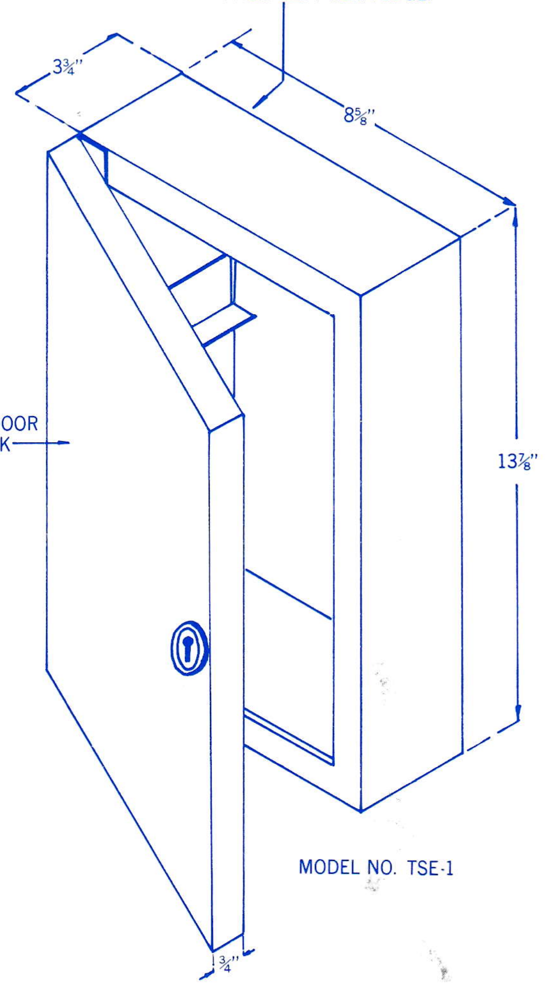
CENTERLINE OF KNOCKOUT IS 1¾" FROM TOP AND ⅝" FROM LEFT REAR EDGE.

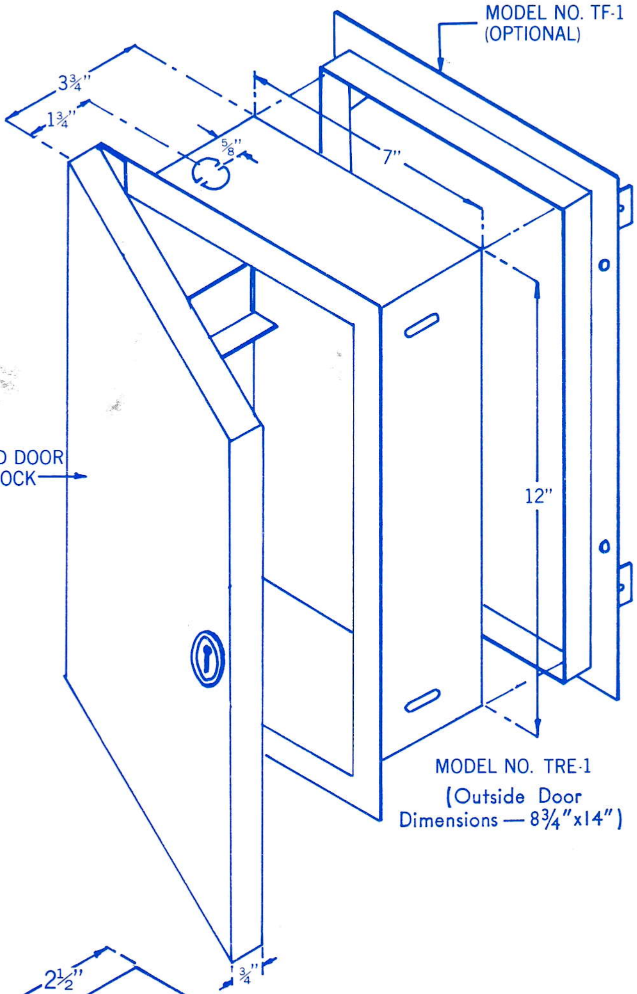
HINGED DOOR WITH LOCK



MODEL NO. TSE-1

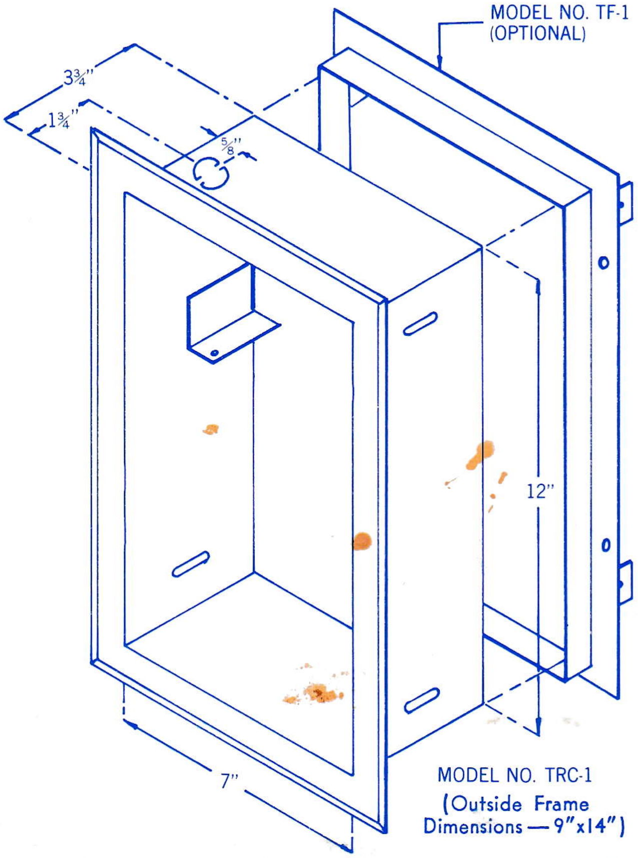
MODEL NO. TF-1 (OPTIONAL)

HINGED DOOR WITH LOCK

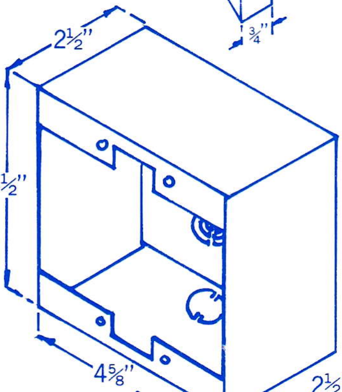


MODEL NO. TRE-1 (Outside Door Dimensions — 8¾"x14")

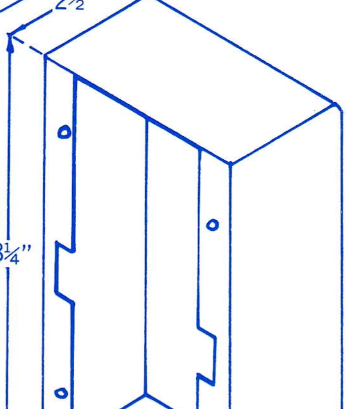
MODEL NO. TF-1 (OPTIONAL)



MODEL NO. TRC-1 (Outside Frame Dimensions — 9"x14")



TS-302



TS-304

OPERATOR-SUPERVISOR TELEPHONE HEADSETS

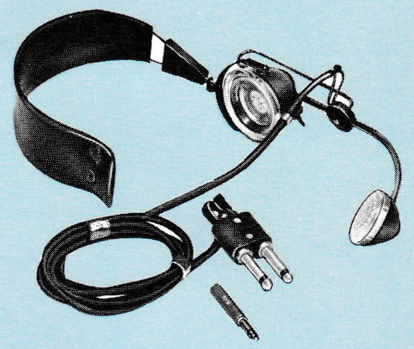
H52 SERIES

H52 SERIES

CORD LENGTH: 5 feet
TRANSMITTER: Carbon-25 ohm
RECEIVER: Magnetic-600 ohm

The H52 series of SOUNDOLIER headsets are the standard operator headset (52AW). The headset contains a carbon microphone and a single dynamic earset. The headband is padded leather. The H52 Series is available with your choice of 2 types of connectors.

	Connector Type
Model H52	Dual telephone type (289B)
Model H52-3	Single 3 conductor type (310)



15' COIL CORD

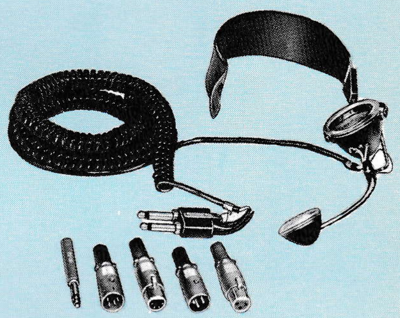
H152 SERIES

H152 SERIES

CORD LENGTH: 15′ Coil Cord
TRANSMITTER: Carbon-25 ohm
RECEIVER: Magnetic 600 ohm

The H152 Series of SOUNDOLIER headset are the standard operator headset (52AW) but with a 15 foot coil cord for use in cueing system and for added mobility. The headset contains a carbon microphone and a single dynamic earset. Headband is padded leather. The H152 Series is available with your choice of several connectors.

	Connector Type
Model H152	Dual Telephone Type (289B)
Model H152-3	Single 3 Conductor (310)
Model H152-4	XLP4-12 (4 pin male)
Model H152-5	XLP4-11 (4 pin female)
Model H152-6	XLP3-12 (3 pin male)
Model H152-7	XLP3-11 (3 pin female)



15' COIL CORD AND ON-OFF TOGGLE SWITCH

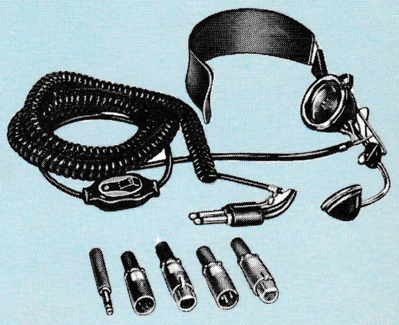
H252 SERIES

H252 SERIES

CORD LENGTH: 15′ Coil Cord
TRANSMITTER: Carbon-25 ohm
RECEIVER: Magnetic 600 ohm
SWITCH: ON-OFF TOGGLE

The H252 Series of SOUNDOLIER headsets are the standard telephone supervisor type. Cord length is 15 foot complete with on-off toggle switch. Used extensively for cueing systems, TV cameramen, etc. The headset contains a carbon microphone and a single dynamic earset. The H252 Series is available with your choice of several connectors.

	Connector
Model H252	Dual Telephone Type (289B)
Model H252-3	Single 3 Conductor Type (310)
Model H252-4	XLP4-12 (4 pin male)
Model H252-5	XLP4-11 (4 pin female)
Model H252-6	XLP3-12 (3 pin male)
Model H252-7	XLP3-11 (3 pin female)



SPEAKER PACKAGES, SPEAKERS AND SOUND COLUMNS

Description	**Model or Series**	**Specifications**
Preassembled baffle, speaker & transformer	**A Series**	1.47 oz. Al. V, 5 Watt trans.
" "	**B Series**	3.16 oz. Al. V, 5 Watt trans.
" "	**C Series**	6.8 oz. Al. V, 5 Watt trans.
" "	**D Series**	10 oz. Ceramic, 5 Watt trans.
" "	**E Series**	6 oz. Ceramic, 5 Watt trans.
Preassembled speaker & transformer	**A36 Series**	3.16 oz. Al. V, 5 Watt trans.
" "	**A46 Series**	4.64 oz. Al. V, 5 Watt trans.
" "	**A68 Series**	6.8 oz. Al. V, 5 Watt trans.
" "	**C5 Series**	5 oz. Ceramic, 5 Watt trans.
" "	**C10 Series**	10 oz. Ceramic, 5 Watt trans.
Sound Columns	**CR-40**	40 Watt
" "	**CR-25**	25 Watt

(list additions below)

New

SPEAKERS
and
LARGER QUANTITY
SPEAKER DISCOUNTS

soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870
TWX 910-761-1650

Soundolier's 4-inch and 8-inch loudspeaker and transformer assemblies are designed for a wide variety of sound systems.

Our speakers are ideal for quality public address and background music installations.

Now Soundolier expands its speaker line to include three new models.

New Speaker Models

Model Number	Description
C5W	8-inch, 5 oz. ceramic magnet with whizzer
C5WT25	C5W with 25 volt line transformer
C5WT70	C5W with 70.7 volt line transformer
C10LW	8-inch, 10 oz. ceramic magnet without whizzer
C10LWT25	C10LW with 25 volt line transformer
C10LWT70	C10LW with 70.7 volt line transformer
FC54	4-inch, 5 oz. ceramic magnet, treated edge cone
FC54T25	FC54 with 25 volt line transformer
FC54T70	FC54 with 70.7 volt line transformer

See enclosed sheet number SL1200 for standard prices on new models C5W, C10LW, and FC54.

New Extended Bulk Speaker Prices

On enclosed sheet number SL1198 you will find EXTENDED BULK SPEAKER PRICES for Soundolier's complete range of speakers in quantities of 750 and up. Check these prices and you will find that it is definitely a price advantage for you. The extended bulk speaker prices are F.O.B., St. Louis, Missouri.

Please consult specification sheets on Soundolier's speakers for more details on our speaker line.

SL 1199
Printed in U.S.A.

soundolier, inc.

9380 Watson Industrial Park/St. Louis, Mo. 63126/AC 314 962-9870

DISTRIBUTOR NET
PRICE SHEET
AUGUST 15, 1975

SOUNDOLIER'S FAMILY OF LOUDSPEAKERS AND TRANSFORMERS IS GROWING

- NEW IMPROVED MODEL FC104 — 4″ HIGH COMPLIANCE LOUDSPEAKER
- NEW 8″ COAXIAL LOUDSPEAKER
- NEW 4 AND 8 WATT AUDIO GRADE LINE TRANSFORMERS

For complete details consult the accompanying specifications sheet.
All items listed here are in stock, ready for immediate delivery.

LOUDSPEAKERS

MODEL NO.	DESCRIPTION	STD. PKG.	LIST	DEALER	DISTRIBUTOR NET		
					16-128	144-464	480 up
FC104	4″ High Compliance Loudspeaker	16	$18.06	$10.84	$ 6.50	$ 6.25	$ 6.05
FC104-T70	4″ High Compliance Loudspeaker with LT-70 Transformer	8	24.44	14.66	8.80	8.55	8.35
FC104-T25	4″ High Compliance Loudspeaker with LT-25 Transformer	8	24.44	14.66	8.80	8.55	8.35
FC104-T47	4″ High Compliance Loudspeaker with HT-47 Transformer	8	28.47	17.08	10.25	9.95	9.75
FC104-T42	4″ High Compliance Loudspeaker with HT-42 Transformer	8	28.47	17.08	10.25	9.95	9.75
C803	8″ Coaxial Loudspeaker	16	27.33	16.40	9.84	9.23	8.61
C803-T70	8″ Coaxial Loudspeaker with LT-70 Transformer	16	32.81	19.69	11.81	11.07	10.33
C803-T25	8″ Coaxial Loudspeaker with LT-25 Transformer	16	32.81	19.69	11.81	11.07	10.33
C803-T87	8″ Coaxial Loudspeaker with HT-87 Transformer	8	42.28	25.37	15.22	14.27	13.31
C803-T82	8″ Coaxial Loudspeaker with HT-82 Transformer	8	42.28	25.37	15.22	14.27	13.31
C803-T47	8″ Coaxial Loudspeaker with HT-47 Transformer	16	37.92	22.75	13.65	12.80	11.94
C803-T42	8″ Coaxial Loudspeaker with HT-42 Transformer	16	37.92	22.75	13.65	12.80	11.94

Prices shown are Distributor Net.
No further discounts apply.
Freight Policy D —
Freight Allowed $3.00/cwt.
for 144 speakers or more

TRANSFORMERS

MODEL NO.	DESCRIPTION	STD. PKG.	LIST	DEALER	LESS THAN STD. CARTON	DISTRIBUTOR NET			
						6-96	102-252	258-360	366 up
HT-87	8 Watt Audio Grade Transformer; 70.7 V Primary	6	$14.00	$8.40	$5.54	$5.04	$4.87	$4.71	$4.57
HT-82	8 Watt Audio Grade Transformer; 25 V Primary	6	14.00	8.40	5.54	5.04	4.87	4.71	4.57
HT-47	4 Watt Audio Grade Transformer; 70.7 V Primary	6	10.53	6.32	4.17	3.79	3.67	3.56	3.44
HT-42	4 Watt Audio Grade Transformer; 25 V Primary	6	10.53	6.32	4.17	3.79	3.67	3.56	3.44
						48-96	144-288	366-432	480 up
LT-70	5 Watt Standard Grade Transformer; 70.7 V Primary	48	5.97	3.58	2.15	1.95	1.90	1.85	1.83
LT-25	5 Watt Standard Grade Transformer; 25 V Primary	48	5.97	3.58	2.15	1.95	1.90	1.85	1.83
									DIST. NET.
HX32-4570	1 Watt Intercom Transformer; 70.7 V Primary 45 ohm Secondary	—	5.67	3.40					2.04
HX33-4525	1 Watt Intercom Transformer; 25 V Primary 45 ohm Secondary	—	5.67	3.40					2.04

Prices shown are Distributor Net
No further discounts apply
Freight Policy C — F.O.B.
St. Louis, Mo.

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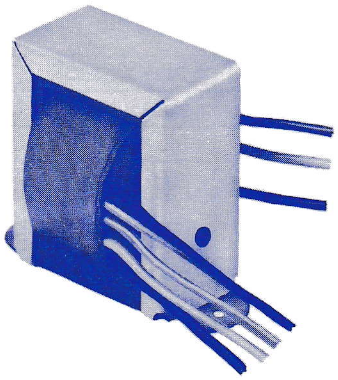
LINE TRANSFORMERS

70.7 AND 25 VOLTS

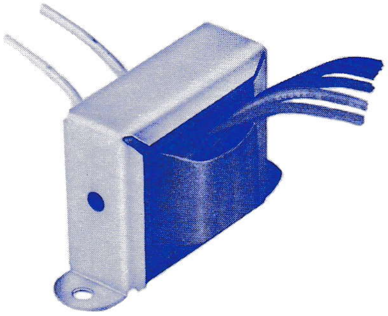
HT-87
HT-82
HT-47
HT-42
LT-70
LT-25
HX32-4570
HX33-4525

soundolier, inc.



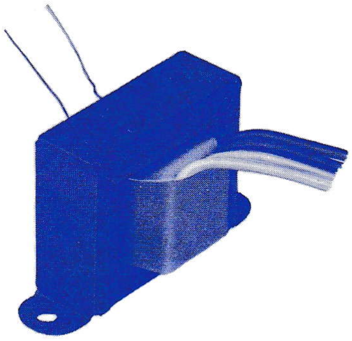
MODEL HT-87 (-82) 8 WATT TRANSFORMERS

Models HT-87 and HT-82 are full range, high quality transformers utilizing audio grade laminations. The insertion loss does not exceed .6 db and the frequency response is ±1 db from 50 Hz-15KHz. The primary taps are 1, 2, 4 and 8 watts. The secondary impedance taps are 4 and 8 ohms. Model HT-87 is designed for 70.7 volt lines and Model HT-82 for 25 volt lines. See detailed specifications on reverse side.



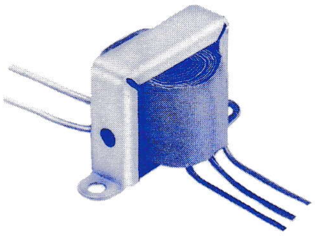
MODEL HT-47 (-42) 4 WATT TRANSFORMERS

Models HT-47 and HT-42 are full range, high quality transformers utilizing audio grade laminations. The insertion loss does not exceed 1.0 db and the frequency response is ±1 db from 60 Hz-12KHz. The primary taps are .5, 1, 2 and 4 watts. The secondary impedance is 8 ohms. Model HT-47 is designed for 70.7 volt lines and Model HT-42 for 25 volt lines. See detailed specifications on reverse side.



MODEL LT-70 (-25) 5 WATT TRANSFORMERS

Models LT-70 and LT-25 are standard grade economy transformers for the less demanding installations. The insertion loss does not exceed 1.5 db and the frequency response is ±1.5 db from 100 Hz-10KHz. The primary taps are .5, 1, 2 and 5 watts. The secondary impedance is 8 ohms. Model LT-70 is designed for 70.7 volt lines and LT-25 for 25 volt lines. See detailed specifications on reverse side.



MODEL HX32-4570 & HX33-4525 1 WATT TRANSFORMERS

These models are specifically designed for intercom applications where it is necessary to connect a 45 ohm speaker to a constant voltage line. The small size of these transformers make them ideal for compact intercom installations. The insertion loss does not exceed 1.5 db and the frequency response is ±2 db from 150 Hz-9 KHz. The primary taps are .5 and 1 watt and the secondary impedance is 45 ohms. Model HX32-4570 is designed for 70.7 volt lines and HX33-4525 for 25 volt lines. See detailed specifications on reverse side.

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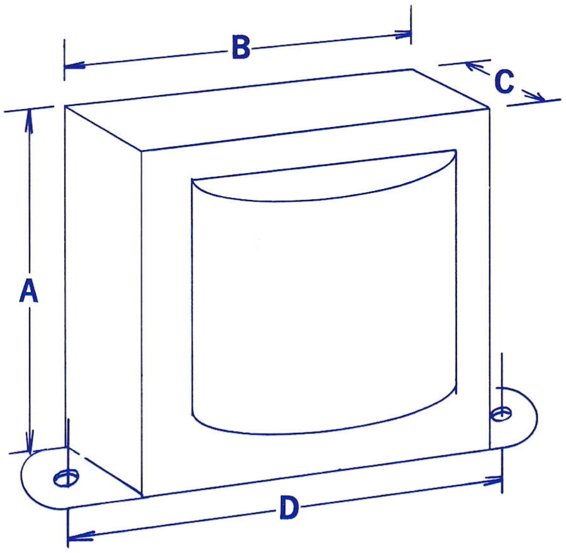
SPECIFICATIONS

MODEL NO.	PRI. VOLTS	FREQUENCY RESPONSE	PRIMARY TAPS	SECONDARY IMPEDANCE	INSERTION LOSS	PRIMARY TERMINATIONS	SECONDARY TERMINATIONS	CORE SIZE	POWER RATING
HT-87	70.7	±1db–50Hz-15KHz	1,2,4 & 8W	4 & 8 OHMS	.6db	6″ COLOR CODED	6″ COLOR CODED	1″ x ¾″*	8 WATTS
HT-82	25	±1db–50Hz-15KHz	1,2,4 & 8W	4 & 8 OHMS	.6db	"	"	1″ x ¾″*	8 WATTS
HT-47	70.7	±1db–60Hz-12KHz	.5,1,2, & 4W	8 OHMS	1.0db	"	"	⅝″ x ⅝″*	4 WATTS
HT-42	25	±1db–60Hz-12KHz	.5,1,2, & 4W	8 OHMS	1.0db	"	"	⅝″ x ⅝″*	4 WATTS
LT-70	70.7	±1.5db–100Hz-10KHz	.5,1,2, & 5W	8 OHMS	1.5db	"	3″ SELF LEADS	⅝″ x ⅝″	5 WATTS
LT-25	25	±1.5db–100Hz-10KHz	.5,1,2, & 5W	8 OHMS	1.5db	"	"	⅝″ x ⅝″	5 WATTS
HX32-4570	70.7	±2db–150Hz-9KHz	.5 & 1W	45 OHMS	1.5db	"	4″ COLOR CODED	⅜″ x ⅜″	1 WATT
HX33-4525	25	±2db–150Hz-9KHz	.5 & 1W	45 OHMS	1.5db	"	"	⅜″ x ⅜″	1 WATT

*29 ga. grain oriented steel – M6 Audio Grade

DIMENSIONS

MODEL NO.	A	B	C	D	WEIGHT
HT-87	2⅜″	1 31/32″	1 3/32″	2⅜″	1.2 Lbs
HT-82	2⅜″	1 31/32″	1 3/32″	2⅜″	1.2 Lbs
HT-47	1⅝″	1 31/32″	23/32″	2⅜″	.53 Lbs
HT-42	1⅝″	1 31/32″	23/32″	2⅜″	.53 Lbs
LT-70	1⅝″	1 31/32″	23/32″	2⅜″	.5 Lbs
LT-25	1⅝″	1 31/32″	23/32″	2⅜″	.5 Lbs
HX32-4570	1 3/16″	1 7/16″	15/32″	1¾″	.2 Lbs
HX33-4525	1 3/16″	1 7/16″	15/32″	1¾″	.2 Lbs



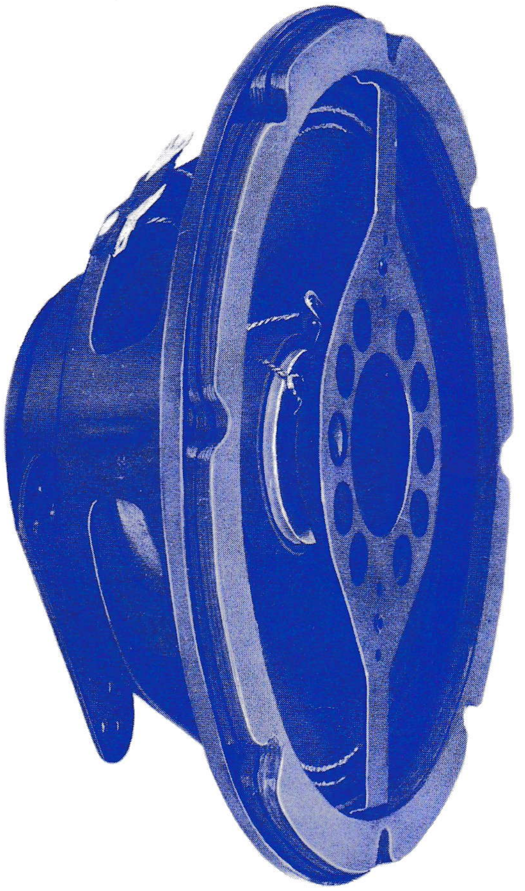
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The transformer shall be capable of delivering its full rated power within ±________db over a frequency range of ________Hz.
The primary shall have power taps of ________________watts.
The secondary shall be ________ohms. The insertion loss shall not exceed ________db.
The transformer shall be Soundolier Model ____________ or approved equal.

C803 COAXIAL LOUDSPEAKER

C803
C803-T87 C803-T70
C803-T82 C803-T25
C803-T47
C803-T42

soundolier, inc.



Speaker Size:	LF Reproducer 8″ HF Reproducer 3″
Freq. Response:	40 Hz to 18 KHz
Magnet Weight:	LF Reproducer 10 oz. ceramic HF Reproducer 2.35 oz. ceramic
Impedance:	8 ohms
Power Rating:	16 watts
Voice Coil dia.:	LF Reproducer 1″ HF Reproducer ¾″
Sensitivity	96 db (SPL at 4′ with 1 watt input)
Resonance:	70 Hz
Dispersion Angle:	120°
Crossover:	2000 Hz
Flux Density:	LF Reproducer 11,200 Gauss HF Reproducer 7,200 Gauss
Depth:	3¼″ (Less Transformer)

GENERAL DESCRIPTION

The Soundolier model C803 is a full range coaxial loudspeaker, ideal for quality public address and background music systems. This loudspeaker combines a full size 8″ low frequency reproducer and a 3″ high frequency reproducer. A built-in crossover network determines the proper frequency selection between the two reproducers.

The low frequency reproducer has a 10 ounce ceramic magnet, while the high frequency reproducer has a 2.35 ounce ceramic magnet. Voice coils in each section are permanently aligned.

The model C803 has a very wide distribution angle over a broad frequency range.

Soundolier offers the model C803 with a selection of factory-mounted and wired constant voltage transformers. The model number chart below will assist you to make your choice. Details and specifications on the transformer models are contained on a separate specification sheet.

SPEAKER/TRANSFORMER COMBINATIONS AVAILABLE:

Model No.	Uses Trans. Model	Transformer Primary Voltage	Transformer Max. Power	Transformer Frequency Response	Insertion Loss
C803-T87	HT-87	70.7	8 Watts	± 1db 50 Hz-15KHz	.6 db
C803-T82	HT-82	25	8 Watts	± 1db 50 Hz-15KHz	.6 db
C803-T47	HT-47	70.7	4 Watts	± 1db 60 Hz-12KHz	1.0 db
C803-T42	HT-42	25	4 Watts	± 1db 60 Hz-12KHz	1.0 db
C803-T70	LT-70	70.7	5 Watts	± 1.5db 100Hz-10KHz	1.5 db
C803-T25	LT-25	25	5 Watts	± 1.5db 100Hz-10KHz	1.5 db

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ARCHITECTS' and ENGINEERS' SPECIFICATIONS

The loudspeaker shall be Soundolier model C803 Coaxial type, or approved equal, with a wide angle of sound distribution. The low frequency reproducer cone shall be a full 8″ diameter and the high frequency reproducer cone shall be a 3″ diameter. The low frequency reproducer shall have a 10 ounce ceramic magnet and the high frequency reproducer shall have a 2.35 ounce ceramic magnet. The two reproducer sections shall be coupled through a built-in cross-over network. The cross-over frequency shall be at 2000 Hz.

The loudspeaker frequency response shall be 40 Hz to 18KHz and the sensitivity shall be 96 db (SPL at 4 feet with 1 watt input).

The low frequency voice coil shall operate in a magnet field of at least 11,200 gauss and the high frequency voice coil shall operate in a magnetic field of at least 7,200 gauss.

The maximum depth of the loudspeaker shall not exceed 3¼″.

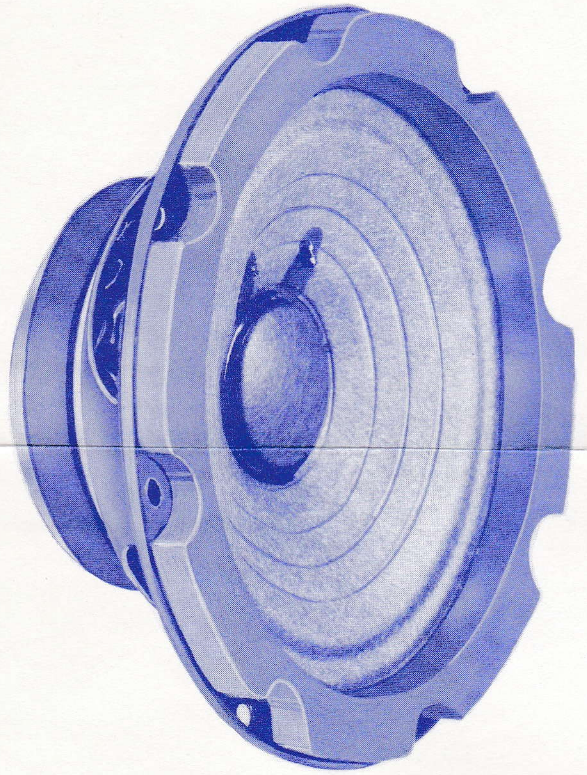
(Complete with Soundolier constant voltage transformer) The C803 Coaxial loudspeaker shall be complete with Soundolier model ________________ transformer. Its primary voltage shall be 70.7 (or 25) volts and shall have power taps of ___________ watts. The transformer frequency response shall be ±_______db from _______Hz to _______KHz. The insertion loss shall not exceed _______db.

The combination coaxial loudspeaker and constant voltage transformer shall be Soundolier Model C803-(T87, T82, T47, T42, T70, T25) or approved equal.

FC54 HIGH COMPLIANCE LOUDSPEAKER

FC54-T70
FC54-T25

soundolier, inc.



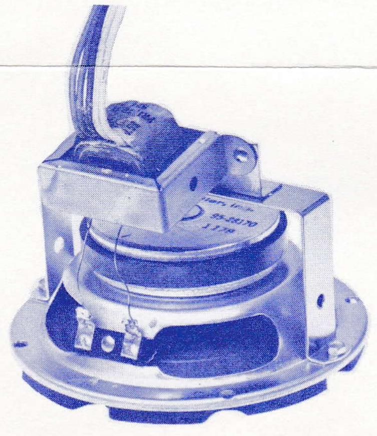
Soundolier Model FC54 is a compact, full range 4" loudspeaker ideally suited for quality public address and background music systems. The FC54 has a 5 ounce ceramic magnet with a flux density of 9200 Gauss. Smooth frequency response is assured through the use of an edge treated cone. One major advantage of the FC54 is its wide angle of sound dispersion thus permitting fewer speakers to achieve total coverage in low level distribution systems.

The FC54 may be used in conjunction with Soundolier's attractive 4+ baffle system.

Soundolier offers the FC54 with either an LT-70 or LT-25 factory mounted and wired constant voltage transformer. Consult the chart below for the speaker/transformer combination. (A complete set of specifications on transformers is available upon request.)

The FC54 may be mounted to Soundolier's unique transformer bracket which has a dual purpose; it securely mounts the constant voltage transformer in a low profile position and provides torsion spring mounting used on many Soundolier 4+ baffles. The bracket is not suppled with FC54 speakers without transformers.

Speaker Size	**4"**
Frequency Response	**90 Hz - 12 KHz.**
Magnet Weight	**5 ounce ceramic**
Impedance	**8 ohms**
Power Rating	**8 Watts Program**
Voice Coil Diameter	**¾"**
Sensitivity	**88 db (@ 4' with 1 watt input)**
Resonance	**95Hz**
Dispersion Angle	**90°**
Flux Density	**9200 Gauss**
Speaker Depth	**2 3/16"**



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The 4" loudspeaker shall be Soundolier Model FC54 or approved equal with a wide angle of sound distribution. The speaker cone shall be a damped, high compliance type. The loudspeaker shall have a power rating of 8 watts program and a frequency response of 90 Hz to 12 KHz.

The magnet shall be a 5 ounce ceramic type providing the ¾" voice coil to operate in a magnetic field of at least 9200 Gauss. The sensitivity shall be 88 db (@ 4' with 1 watt input). (Complete with Soundolier constant voltage transformer). The Model FC54 loudspeaker shall be complete with Soundolier Model ________ transformer. The transformer shall be factory wired and mounted to a bracket which locates it in a low profile position. The transformer primary voltage shall be 70.7 or 25 volts and shall have power taps of ________ watts. The transformer frequency response shall be +- ________ db from ________ Hz to ________ KHz. The insertion loss shall not exceed ________ db.

The combination 4" high compliance loudspeaker and constant voltage transformer shall be Soundolier model FC54-(T70, T25) or approved equal.

SPEAKER/TRANSFORMER COMBINATIONS AVAILABLE:

Model No.	Uses Trans. Model	Trans. Primary Voltage	Trans. Max. Power	Transformer Frequency Response	Insertion Loss
FC54 T70	LT-70	70.7	5 Watts	± 1.5db-100Hz-10KHz	1.5db
FC54 T25	LT-25	25	5 Watts	± 1.5db-100Hz-10KHz	1.5db

SL 1206A
Supersedes SL 1206
Printed in U.S.A.

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TWX 910-761-1650

ANOTHER GREAT VALUE FROM SOUNDOLIER

PRE-ASSEMBLED BAFFLE/SPEAKER/TRANSFORMER

WITH WIRED VOLUME CONTROL

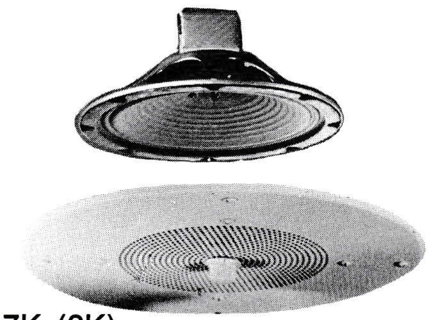
- **3.16 OZ. Al. V SPEAKER**
- **⅝ x ⅝ 5 WATT TRANSFORMER**
- **CHOICE OF 5 GRILLES**
- **50 ohm POTENTIOMETER**
- **READY TO INSTALL**

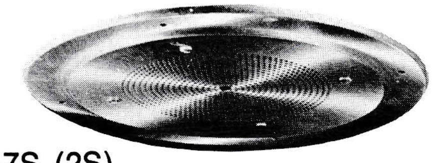
Now . . . Soundolier offers a quality pre-assembled speaker / baffle with a volume control mounted to the grille and wired to the speaker voice coil—**ready to install!**

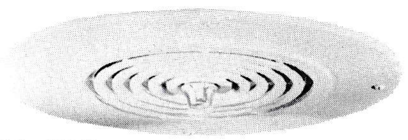
Your choice of 5 popular Soundolier grilles are available in this great package **51-8**, **60-8**, **P900**, **M222**, **M222 (white)**

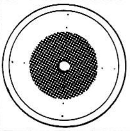
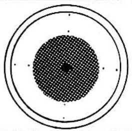
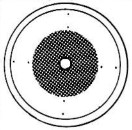
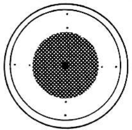
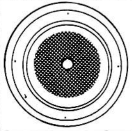
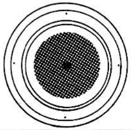
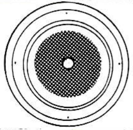
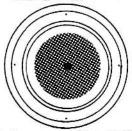
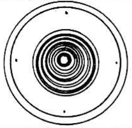
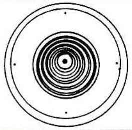
The volume control is a quality 50 ohm potentiometer, with a 5 watt audio rating. It is available with an attractive knob or the screw-driver adjust type. All assemblies are available with either 70V or 25V transformers.

Consult chart below for model number of the package you desire. Soundolier SV Series assemblies mount to model 95-8, 96-8, 199-8 enclosures or to 75-8, 75-8E1, 75-8E2, 76-8, 76-8E1, 76-8E2, P77-8 or P78-8 plaster rings.


SV1-7K (2K)


SV3-7S (2S)


SV5-7K (2K)

50 ohm potentiometer mounted in center of trim ring. Pre-wired to speaker voice coil. Includes white knob.				**50 ohm potentiometer recessed behind trim ring. Screw driver adjust through access hole.**		
	Model No.	**Transformer**	**Grille Description**	**Transformer**	**Model No.**	
	**SV1-7K**	**70.7 V**	Model 51-8 steel with baked white enamel finish.	**70.7 V**	**SV1-7S**	
	SV1-2K	**25 V**		**25 V**	**SV1-2S**	
	**SV2-7K**	**70.7 V**	Model 60-8 satin aluminum.	**70.7 V**	**SV2-7S**	
	SV2-2K	**25 V**		**25 V**	**SV2-2S**	
	**SV3-7K**	**70.7 V**	Model M222, satin aluminum.	**70.7 V**	**SV3-7S**	
	SV3-2K	**25 V**		**25 V**	**SV3-2S**	
	**SV4-7K**	**70.7 V**	Model M222W, aluminum with baked white enamel finish.	**70.7 V**	**SV4-7S**	
	SV4-2K	**25 V**		**25 V**	**SV4-2S**	
	**SV5-7K**	**70.7 V**	Model P900, white polystyrene.	**70.7 V**	**SV5-7S**	
	SV5-2K	**25 V**		**25 V**	**SV5-2S**	

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PREASSEMBLED BAFFLE, SPEAKER, TRANSFORMER

A SERIES / 1.47 OZ. SPEAKER 4 WATT TRANSFORMER

soundolier, inc.

A SERIES speaker, baffle and transformer package affords a unique and convenient method to specify, purchase and install the final element in the sound system. All components are matched and premounted at the factory. Since additional labor is not required before installation, the units arrive on the job site in an engineered carton which virtually eliminates all possible damage. Not only is the transformer secondary prewired, to the speaker, but also the primary power taps are color coded, stripped and tinned and ready for the application of wire nuts. Each component of the package has been carefully manufactured and selected for maximum quality and efficiency. Many different baffles are available as standard models with all baffles available as packages upon request. In addition, other speaker combinations can be obtained. Write for a full set of specifications.

AVAILABLE MODELS

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
A51-8	51-8	95-8	75-8
A51-8BX	51-8		76-8
A60-8	60-8	95-8	75-8
A60-8BX	60-8		76-8
A61-8	61-8	95-8	75-8
A61-8BX	61-8		76-8
A67-8	67-8	95-8	75-8
A67-8BX	67-8		
A68-8	68-8	95-8	75-8
A68-8BX	68-8		76-8
A161-8	161-8	198-8	—
A161-8BX	161-8		

OTHER BAFFLES UPON REQUEST

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
A164-8	164-8	191-78	177-78
A164-8BX	164-8		
A169-8	169-8	193-8	—
A169-8BX	169-8		
A110-8	110-8	—	—
A23-8	23-8	—	—
A24-8	24-8	—	—
A210-8	210-8	—	—
A260-8	260-8	—	—
A410-8	410-8	—	—
A420-8	420-8	—	—
A510-8	510-8	—	—
A512-8	512-8	—	—

SPECIFICATIONS

SPEAKER

Size—8″
Magnet Weight—1.47 oz.
Magnet Material—Al. V
V.C. Diameter—¾″
V.C. Impedance—8 ohms
Flux Density—7,000

Sensitivity—82 db
Watts (Norm)—5
Watts (Peak)—8
Freq. Response—50-12,000 cps
Max. Diameter—8⅛″
Depth—2¹⁵⁄₁₆″

TRANSFORMER

Primary Volts—70.7(25*)
Secondary—8 ohms
Core Size—⅝″ x ⅝″
Taps—C, .5, 1, 2, 4.
Power—4 watts
Leads—Color coded, stripped & tinned

*Specify voltage when ordering.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle, speaker, transformer package shall be a Soundolier ______________________ or approved equal. The baffle shall be a Soundolier model ____________. The speaker shall be an 8 inch cone type. The magnet shall be a 1.47 ounce Al. V. The frequency response shall be 50-12,000 cps with a sensitivity on axis of 82 db. The voice coil diameter shall be ¾″ with an 8 ohm impedance. Power handling capabilities shall be 12 watt program. The transformer shall be a ⅝″ x ⅝″ core, 4 watt unit with four primary taps, ½ watt, 1 watt, 2 watts and 4 watts. The transformer voltage shall be 70.7 volts (25 volts). The entire assembly shall mount to a Soundolier ____________ enclosure or ____________________ plaster ring or approved equal.

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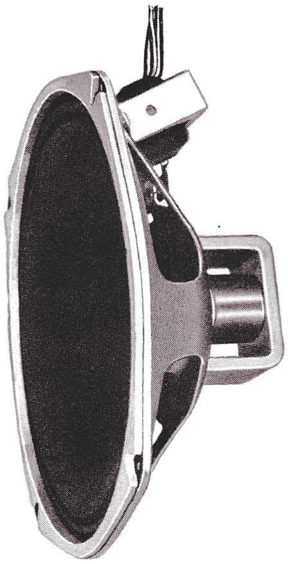
PREASSEMBLED BAFFLE, SPEAKER, TRANSFORMER

B SERIES / 3.16 OZ. SPEAKER 4 WATT TRANSFORMER

soundolier, inc.



B SERIES speaker, baffle and transformer package affords a unique and convenient method to specify, purchase and install the final element in the sound system. All components are matched and premounted at the factory. Since additional labor is not required before installation, the units arrive on the job site in an engineered carton which virtually eliminates all possible damage. Not only is the transformer secondary prewired, to the speaker, but also the primary power taps are color coded, stripped and tinned and ready for the application of wire nuts. Each component of the package has been carefully manufactured and selected for maximum quality and efficiency. Many different baffles are available as standard models with all baffles available as packages upon request. In addition, other speaker combinations can be obtained. Write for a full set of specifications.

AVAILABLE MODELS

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
B51-8	51-8	95-8	75-8
B51-8BX	51-8		76-8
B60-8	60-8	95-8	75-8
B60-8BX	60-8		76-8
B61-8	61-8	95-8	75-8
B61-8BX	61-8		76-8
B67-8	67-8	95-8	75-8
*B67-8BX	67-8		
B68-8	68-8	95-8	75-8
B68-8BX	68-8		76-8
B161-8	161-8	198-8	—
B161-8BX	161-8		

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
B164-8	164-8	191-78	177-78
B164-8BX	164-8		
B169-8	169-8	193-8	—
B169-8BX	169-8		
B110-8	110-8	—	—
B23-8	23-8	—	—
B24-8	24-8	—	—
B210-8	210-8	—	—
B260-8	260-8	—	—
B410-8	410-8	—	—
B420-8	420-8	—	—
B510-8	510-8	—	—
B512-8	512-8	—	—

OTHER BAFFLES UPON REQUEST

*ENCLOSURES 1" DEEPER THAN NORMAL

SPECIFICATIONS

SPEAKER

Size—8″
Magnet Weight—3.16 oz.
Magnet Material—Al. V
V.C. Diameter—¾″
V.C. Impedance—8 ohms
Flux Density—9,200

Sensitivity—87 db
Watts (Norm)—6
Watts (Peak)—10
Freq. Response—40-15,000 cps
Max. Diameter—8⅛″
Depth—3½″

*Specify voltage when ordering.

TRANSFORMER

Primary Volts—70.7(25*)
Secondary—8 ohms
Core Size—⅝″x ⅝″
Taps—C, .5, 1, 2, 4.
Power—4 watts
Leads—Color coded, stripped & tinned

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle, speaker, transformer package shall be a Soundolier ______________________ or approved equal. The baffle shall be a Soundolier model ____________. The speaker shall be an 8 inch cone type. The magnet shall be a 3.16 ounce Al. V. The frequency response shall be 40-15,000 cps with a sensitivity on axis of 87 db. The voice coil diameter shall be ¾″ with an 8 ohm impedance. Power handling capabilities shall be 15 watt program. The transformer shall be a ⅝″ x ⅝″ core, 4 watt unit with four primary taps, ½ watt, 1 watt, 2 watts and 4 watts. The transformer voltage shall be 70.7 volts (25 volts). The entire assembly shall mount to a Soundolier ____________ enclosure or ______________________ plaster ring or approved equal.

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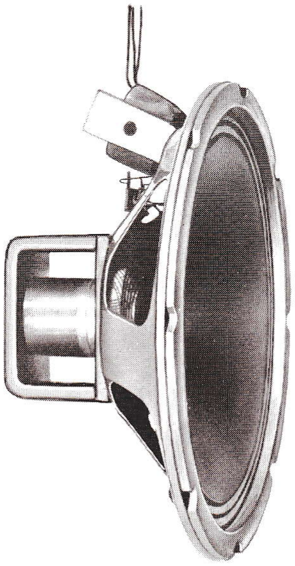
C SERIES / 6.8 OZ. SPEAKER 4 WATT TRANSFORMER

soundolier, inc.



C SERIES speaker, baffle and transformer package affords a unique and convenient method to specify, purchase and install the final element in the sound system. All components are matched and premounted at the factory. Since additional labor is not required before installation, the units arrive on the job site in an engineered carton which virtually eliminates all possible damage. Not only is the transformer secondary prewired, to the speaker, but also the primary power taps are color coded, stripped and tinned and ready for the application of wire nuts. Each component of the package has been carefully manufactured and selected for maximum quality and efficiency. Many different baffles are available as standard models with all baffles available as packages upon request. In addition, other speaker combinations can be obtained. Write for a full set of specifications.

AVAILABLE MODELS

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
C51-8	51-8	95-8	75-8
*C51-8BX	51-8		76-8
C60-8	60-8	95-8	75-8
*C60-8BX	60-8		76-8
C61-8	61-8	95-8	75-8
*C61-8BX	61-8		76-8
C67-8	67-8	95-8	75-8
*C67-8BX	67-8		
C68-8	68-8	95-8	75-8
*C68-8BX	68-8		76-8
C161-8	161-8	198-8	—
*C161-8BX	161-8		
C164-8	164-8	191-78	177-78
*C164-8BX	164-8		
C169-8	169-8	193-8	—
*C169-8BX	169-8		
C110-8	110-8	—	—
C23-8	23-8	—	—
C24-8	24-8	—	—
C210-8	210-8	—	—
C260-8	260-8	—	—
C410-8	410-8	—	—
C420-8	420-8	—	—
C510-8	510-8	—	—
C512-8	512-8	—	—

OTHER BAFFLES UPON REQUEST *ENCLOSURE 1" DEEPER THAN NORMAL

SPECIFICATIONS

SPEAKER

Size—8″
Magnet Weight—6.80 oz.
Magnet Material—Al. V
V.C. Diameter—1″
V.C. Impedance—8 ohms
Flux Density—10,000

Sensitivity—103 db
Watts (Norm)—8
Watts (Peak)—12
Freq. Response—35-15,000 cps
Max. Diameter—8⅛″
Depth—4 1/16″

TRANSFORMER

Primary Volts—70.7(25*)
Secondary—8 ohms
Core Size—⅝″ x ⅝″
Taps—C, .5, 1, 2, 4.
Power—4 watts
Leads—Color coded, stripped & tinned

*Specify voltage when ordering.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle, speaker, transformer package shall be a Soundolier ________________ or approved equal. The baffle shall be a Soundolier model ____________. The speaker shall be an 8 inch cone type. The magnet shall be a 6.80 ounce Al. V. The frequency response shall be 35-15,000 cps with a sensitivity on axis of 103 db. The voice coil diameter shall be 1″ with an 8 ohm impedance. Power handling capabilities shall be 25 watt program. The transformer shall be a ⅝″ x ⅝″ core, 4 watt unit with four primary taps, ½ watt, 1 watt, 2 watts and 4 watts. The transformer voltage shall be 70.7 volts (25 volts). The entire assembly shall mount to a Soundolier ____________ enclosure or ________________ plaster ring or approved equal.

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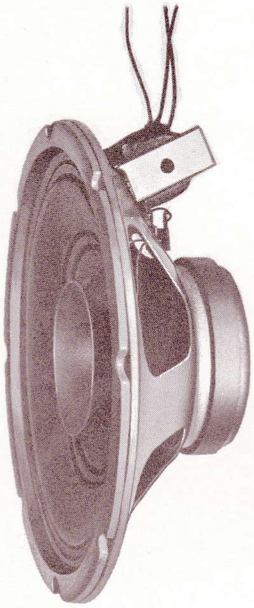
PREASSEMBLED BAFFLE, SPEAKER, TRANSFORMER

D SERIES / 10 OZ. SPEAKER 4 WATT TRANSFORMER

soundolier, inc.



D SERIES speaker, baffle and transformer package affords a unique and convenient method to specify, purchase and install the final element in the sound system. All components are matched and premounted at the factory. Since additional labor is not required before installation, the units arrive on the job site in an engineered carton which virtually eliminates all possible damage. Not only is the transformer secondary prewired, to the speaker, but also the primary power taps are color coded, stripped and tinned and ready for the application of wire nuts. Each component of the package has been carefully manufactured and selected for maximum quality and efficiency. Many different baffles are available as standard models with all baffles available as packages upon request. In addition, other speaker combinations can be obtained. Write for a full set of specifications.

AVAILABLE MODELS

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
D51-8	51-8	95-8	75-8
D51-8BX	51-8		76-8
D60-8	60-8	95-8	75-8
D60-8BX	60-8		76-8
D61-8	61-8	95-8	75-8
D61-8BX	61-8		76-8
D67-8	67-8	95-8	75-8
D67-8BX	67-8		
D68-8	68-8	95-8	75-8
D68-8BX	68-8		76-8
D161-8	161-8	198-8	—
D161-8BX	161-8		

OTHER BAFFLES UPON REQUEST

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
D164-8	164-8	191-78	177-78
D164-8BX	164-8		
D169-8	169-8	193-8	—
D169-8BX	169-8		
D110-8	110-8	—	—
D23-8	23-8	—	—
D24-8	24-8	—	—
D210-8	210-8	—	—
D260-8	260-8	—	—
D410-8	410-8	—	—
D420-8	420-8	—	—
D510-8	510-8	—	—
D512-8	512-8	—	—

SPECIFICATIONS

SPEAKER

Size—8″
Magnet Weight—10.0 oz.
Magnet Material—Ferrite
V.C. Diameter—1″
V.C. Impedance—8 ohms
Flux Density—10,000

Sensitivity—100 db
Watts (Norm)—8
Watts (Peak)—12
Freq. Response—35-19,000 cps **
Max. Diameter—8⅛″
Depth—3″

TRANSFORMER

Primary Volts—70.7(25*)
Secondary—8 ohms
Core Size—⅝″ x ⅝″
Taps—C, .5, 1, 2, 4.
Power—4 watts
Leads—Color coded, stripped & tinned

*Specify voltage when ordering.

**HIGH FREQUENCY WHIZZER

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle, speaker, transformer package shall be a Soundolier ______________________ or approved equal. The baffle shall be a Soundolier model ______________. The speaker shall be an 8 inch cone type. The magnet shall be a 10 ounce Ceramic. The frequency response shall be 35-19,000 cps with a sensitivity on axis of 100 db. The voice coil diameter shall be 1″ with an 8 ohm impedance. Power handling capabilities shall be 25 watt program. The transformer shall be a ⅝″ x ⅝″ core, 4 watt unit with four primary taps, ½ watt, 1 watt, 2 watts and 4 watts. The transformer voltage shall be 70.7 volts (25 volts). The entire assembly shall mount to a Soundolier ______________ enclosure or ____________________ plaster ring or approved equal.

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9380 WATSON INDUSTRIAL PARK
ST. LOUIS, MISSOURI 63126
AREA CODE (314) 962-9870
TWX 910 761-1650

(NEW)

G Series **5 Oz. Ceramic**

package series

Model	List	Dealer Net	Distributor Net			
			1-19	20-49	50-99	100 Up
G51-8	21.06	12.64	7.58	7.34	7.06	6.79
G60-8	22.03	13.22	7.93	7.69	7.39	7.10
G61-8	23.42	14.05	8.43	8.19	7.89	7.60
G67-8	29.53	17.72	10.63	10.39	10.04	9.65
G68-8	34.81	20.89	12.53	12.29	11.87	11.39
G161-8	25.50	15.30	9.18	8.92	8.73	8.43
G164-8	29.58	17.75	10.60	10.36	9.91	9.48
G169-8	20.64	12.38	7.43	7.19	6.91	6.64
G110-8	51.19	30.71	18.43	18.19	17.52	16.77
G23-8	42.17	25.30	15.18	14.23	13.28	12.76
G24-8	47.72	28.63	17.18	16.05	14.92	14.35
G210-8	45.64	27.38	16.43	15.48	14.53	13.93
G260-8	38.61	23.17	13.90	13.30	12.70	12.28
G410-8	39.81	23.89	14.33	14.09	13.67	13.18
G415-8	56.06	33.64	20.18	19.94	19.45	18.86
G420-8	56.06	33.64	20.18	19.64	18.69	18.17
G510-8	53.28	31.97	19.18	18.94	18.41	17.85
G512-8	63.69	38.21	22.93	22.69	22.06	21.41
GT620-8	27.58	16.55	9.93	9.69	9.39	8.93

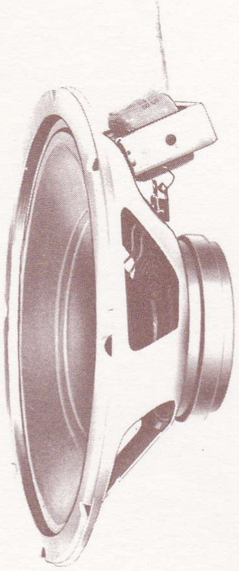
Models may not be mixed to obtain higher quantity price. Specify 70V or 25V when ordering.

Printed in U.S.A.

PREASSEMBLED BAFFLE, SPEAKER, TRANSFORMER

G SERIES / 5 OZ. SPEAKER 5 WATT TRANSFORMER

soundolier, inc.



G SERIES speaker, baffle and transformer package affords a unique and convenient method to specify, purchase and install the final element in the sound system. All components are matched and premounted at the factory. Since additional labor is not required before installation, the units arrive on the job site in an engineered carton which virtually eliminates all possible damage. Not only is the transformer secondary prewired, to the speaker, but also the primary power taps are color coded, stripped and tinned and ready for the application of wire nuts. Each component of the package has been carefully manufactured and selected for maximum quality and efficiency. Many different baffles are available as standard models with all baffles available as packages upon request. In addition, other speaker combinations can be obtained. Write for a full set of specifications.

AVAILABLE MODELS

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
G51-8	51-8	95-8 96-8 199-8 Q408	75-8, 75-8E1, 75-8E2, P77-8, P78-8 76-8, 76-8E1, 76-8E2, 81-8
G60-8	60-8	95-8 96-8 199-8 Q408	75-8, 75-8E1, 75-8E2, P77-8, P78-8 76-8, 76-8E1, 76-8E2, 81-8
G61-8	61-8	95-8 96-8 199-8 Q408	75-8, 75-8E1, 75-8E2, P77-8, P78-8 76-8, 76-8E1, 76-8E2, 81-8
G67-8	67-8	95-8 96-8 Q408	75-8, 75-8E1, 75-8E2, P77-8, P78-8 76-8, 76-8E1, 76-8E2, 81-8
G68-8	68-8	95-8 96-8 199-8 Q408	75-8, 75-8E1, 75-8E2, P77-8, P78-8 76-8, 76-8E1, 76-8E2, 81-8
G161-8	161-8	198-8 SE175-4	72-8, 72-8E1, 72-8E2
G164-8	164-8	191-78 SM191-78 Q418 Q438 Q458	71-8, 71-8E1, 71-8E2
G169-8	169-8	193-8	73-8, 73-8E1, 73-8E2
G110-8	110-8	—	—
G23-8	23-8	—	—
G24-8	24-8	—	—
G210-8	210-8	—	—
G260-8	260-8	—	—
G410-8	410-8	—	—
G420-8	420-8	—	—
G510-8	510-8	—	—
G512-8	512-8	—	—
GT620-8	T620-8	T198-8 SE175-4	T72-8, T72-8E1, T72-8E2

OTHER BAFFLES UPON REQUEST

SPECIFICATIONS

SPEAKER

Size — 8″
Magnet Weight — 5.0 oz.
Magnet Material — Ferrite
V.C. Diameter — 1″
V.C. Impedance — 8 ohms
Flux Density — 9200

Sensitivity — 96 db
Watts (PROGRAM) — 15
Freq. Response — 30-15,000 cps
Max. Diameter — 8⅛″
Depth — 2 11/16″

TRANSFORMER

Primary Volts — 70.7(25*)
Secondary — 8 ohms
Core Size — ⅝″ x ⅝″
Taps — C, .5, 1, 2, 5.
Power — 5 watts
Leads — Color coded, stripped & tinned

*Specify voltage when ordering.

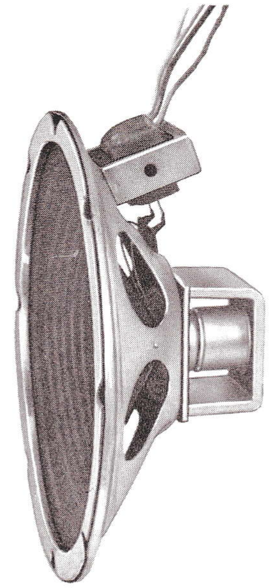
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle, speaker, transformer package shall be a Soundolier ____________________ or approved equal. The baffle shall be a Soundolier model ____________. The speaker shall be an 8 inch cone type. The magnet shall be a 5 ounce Ceramic. The frequency response shall be 30-15,000 cps with a sensitivity on axis of 96 db. The voice coil diameter shall be 1″ with an 8 ohm impedance. Power handling capabilities shall be 15 watt program. The transformer shall be a ⅝″ x ⅝″ core, 5 watt unit with four primary taps, ½ watt, 1 watt, 2 watts, and 5 watts. The transformer voltage shall be 70.7 volts (25 volts). The entire assembly shall mount to a Soundolier ____________ enclosure or ____________________ plaster ring or approved equal.

PREASSEMBLED BAFFLE, SPEAKER, TRANSFORMER

EPB SERIES / 3.16 OZ. SPEAKER 4 WATT TRANSFORMER

soundolier, inc.



EPB SERIES speaker, baffle and transformer package affords a unique and convenient method to specify, purchase and install the final element in the sound system. All components are matched and premounted at the factory. Since additional labor is not required before installation, the units arrive on the job site in an engineered carton which virtually eliminates all possible damage. Not only is the transformer secondary prewired, to the speaker, but also the primary power taps are color coded, stripped and tinned and ready for the application of wire nuts. Each component of the package has been carefully manufactured and selected for maximum quality and efficiency. Many different baffles are available as standard models with all baffles available as packages upon request. In addition, other speaker combinations can be obtained. Write for a full set of specifications.

AVAILABLE MODELS

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
EPB51-8	51-8	95-8	75-8
EPB51-8BX	51-8		76-8
EPB60-8	60-8	95-8	75-8
EPB60-8BX	60-8		76-8
EPB61-8	61-8	95-8	75-8
EPB61-8BX	61-8		76-8
EPB67-8	67-8	95-8	75-8
*EPB67-8BX	67-8		
EPB68-8	68-8	95-8	75-8
EPB68-8BX	68-8		76-8
EPB161-8	161-8	198-8	—
EPB161-8BX	161-8		

MODEL NO.	BAFFLE	ENCLOSURE	PLASTER RING
EPB164-8	164-8	191-78	177-78
EPB164-8BX	164-8		
EPB169-8	169-8	193-8	—
EPB169-8BX	169-8		
EPB110-8	110-8	—	—
EPB23-8	23-8	—	—
EPB24-8	24-8	—	—
EPB210-8	210-8	—	—
EPB260-8	260-8	—	—
EPB410-8	410-8	—	—
EPB420-8	420-8	—	—
EPB510-8	510-8	—	—
EPB512-8	512-8	—	—

OTHER BAFFLES UPON REQUEST

*ENCLOSURES 1" DEEPER THAN NORMAL

SPECIFICATIONS

SPEAKER

Size—8″
Magnet Weight—3.16 oz.
Magnet Material—Al. V
V.C. Diameter—¾″
V.C. Impedance—8 ohms
Flux Density—9,200

Sensitivity—87 db
Watts (Norm)—6
Watts (Peak)—10
Freq. Response—65-10,000 cps
Max. Diameter—8⅛″
Depth—3.6″

TRANSFORMER

Primary Volts—70.7(25*)
Secondary—8 ohms
Core Size—⅝″ x ⅝″
Taps—C, .5, 1, 2, 4.
Power—4 watts
Leads—Color coded, stripped & tinned

*Specify voltage when ordering.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle, speaker, transformer package shall be a Soundolier ________________ or approved equal. The baffle shall be a Soundolier model ____________. The speaker shall be an 8 inch cone type. The magnet shall be a 3.16 ounce Al. V. The frequency response shall be 65-10,000 cps with a sensitivity on axis of 87 db. The voice coil diameter shall be ¾″ with an 8 ohm impedance. Power handling capabilities shall be 15 watt program. The transformer shall be a ⅝″ x ⅝″ core, 4 watt unit with four primary taps, ½ watt, 1 watt, 2 watts and 4 watts. The transformer voltage shall be 70.7 volts (25 volts). The entire assembly shall mount to a Soundolier ____________ enclosure or ________________ plaster ring or approved equal.

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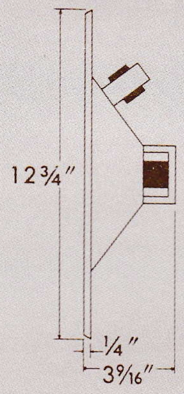
PREASSEMBLED BAFFLE, SPEAKER, TRANSFORMER

FD SERIES / 3.16 OZ. SPEAKER 4 WATT TRANSFORMER

soundolier, inc.

FD SERIES The FD Series consists of a recessed trim ring, speaker and transformer preassembled at the factory. You may choose between a beautiful one piece satin brushed aluminum ring with a clear baked finish or a rugged c.r.s. ring with a baked white finish. The speaker is an unusually high quality 8″ unit with a 3.16 ounce alnico V magnet and exhibits a wide frequency response and low distortion. The preassembled transformer has a large ⅝″ x ⅝″ core and four power taps to 4 watts. The FD series may be ordered in a 70.7 volt or 25 volt version. See below for model numbers and combinations available.



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle, speaker, transformer package shall be a Soundolier FD70W (FD70A, FD25W, FD25A) or approved equal. The trim ring shall be a Soundolier model 60-8 (51-8). The speaker shall be an 8 inch cone type. The magnet shall be a 3.16 ounce alnico V. The frequency response shall be 30-15,000 cps with a sensitivity on axis of 96 db. The voice coil diameter shall be ¾″ with an 8 ohm impedance. Power handling capabilities shall be 15 watt program. The transformer shall be a ⅝″ x ⅝″ core, 4 watt unit with four primary taps, ½ watt, 1 watt, 2 watts and 4 watts. The transformer voltage shall be 70.7 volts (25 volts). The entire assembly shall mount to a Soundolier 95-8 enclosure or 75-8 (76-8) plaster ring or approved equal.

AVAILABLE MODELS

MODEL NO.	BAFFLE	TRANSFORMER	MOUNTS TO ENCLOSURE	MOUNTS TO PLASTER RING
FD25W	51-8	25 Volts	95-8	75-8, 76-8
FD70W	51-8	70.7 Volts	95-8	75-8, 76-8
FD25A	60-8	25 Volts	95-8	75-8, 76-8
FD70A	60-8	70.7 Volts	95-8	75-8, 76-8

SPECIFICATIONS

	BAFFLE
60-8	Aluminum (1100-H14) Gauge—20 Finish—Satin Aluminum
51-8	Cold Rolled Steel Gauge—24 Finish—Baked White Enamel

SPEAKER

Size & description—8″ Rd.
Magnet—3.16 oz. A1 V
V.C. Diameter—¾″
V.C. Impedance—8 ohms
Flux density—10,000 Gauss
Sensitivity—96 db on axis
Power handling capacity—15 watts Program
Frequency response—30-15,000 cps

TRANSFORMER

70.7 Volt
Primary—70.7 volts
Secondary—8 ohms
Core size—⅝″ x ⅝″
Taps—C, .5,1,2,5

25 Volt
Primary— 25 volts
Secondary—8 ohms
Core size—⅝″ x ⅝″
Taps—C, .5,1,2,5

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PREASSEMBLED SPEAKER AND TRANSFORMER

A36 / A46 / A68 C5 / C10 SERIES

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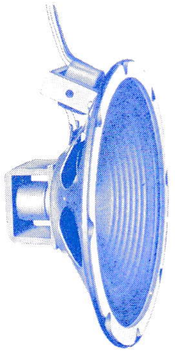
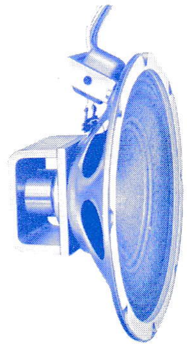

A 36
SERIES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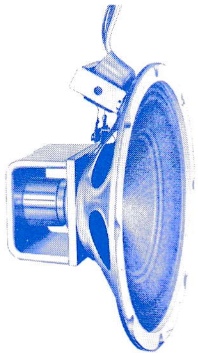
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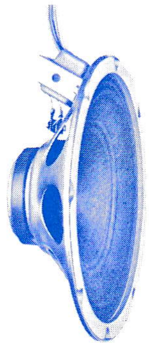
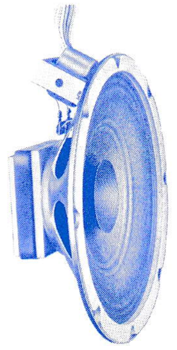
SERIES


C 5
SERIES


C 10
SERIES

DESCRIPTION

Soundolier loudspeaker and transformer assemblies are designed for a wide variety of sound systems. They are excellent for both music and voice transmission. The transformers are American made with superior specifications (see specs below). The suffix of the model number indicates the primary voltage (example: T-70=70.7 volts, T25=25 volts).

MODELS

MODELS	A36T70 A36T25	A46T70 A46T25	A68T70 A68T25	C5T70 C5T25	C10T70 C10T25
Speaker diameter	8"	8"	8"	8"	8"
Frequency range	30-15K Hz	30-15K Hz	30-15K Hz	30-15K Hz	30-19K Hz
Magnet weight (oz.)	3.16 Al V	4.64 Al V	6.8 AL V	5.0 Cer.	10.0 Cer.
Coil Impedance	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
Coil diameter	¾"	1"	1"	1"	1"
Axial sensitivity	96 db	97 db	103 db	96 db	100 db
*Power handling	15 watts	25 watts	25 watts	15 watts	25 watts
Flux Density	9200 lines/cm²	9500 lines/cm²	10,000 lines/cm²	9200 lines/cm²	10,000 lines/cm²
Depth	3½"	3¾"	4-1/16"	2-11/16"	3"
Finish	Cad. Plate	Cad. Plate	Cad. Plate	Cad. Plate	Cad. Plate

*Program

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker and transformer shall be Soundolier______________ or approved equal. The loudspeaker size shall be eight inches with a permanent magnet and a seamless cone. The weight shall be 3.16 oz. (4.64, 6.8, 5.0, 10.0) Alnico (Ferrite). The frequency range shall be 30-15,000 Hz (30-19,000 Hz). The axial sensitivity shall be 96 db (97, 103, 96, 100) at 4 feet with 1 watt input. The voice coil diameter shall be ¾" (1", 1", 1", 1"). The impedance shall be 8 ohms. The transformer shall be 5 watts with a ⅝" x ⅝" core. The taps shall be C, ½, 1, 2, 5.

TRANSFORMER SPECIFICATIONS

Primary Volts — 70.7 (25*)
Secondary — 8 ohms
Core Size — ⅝" x ⅝"
Taps — C, ½, 1, 2, 5. watts
Power — 5 watts
Leads — Color coded, stripped & tinned
* T70 — 70.7 volts
T25 — 25 volts

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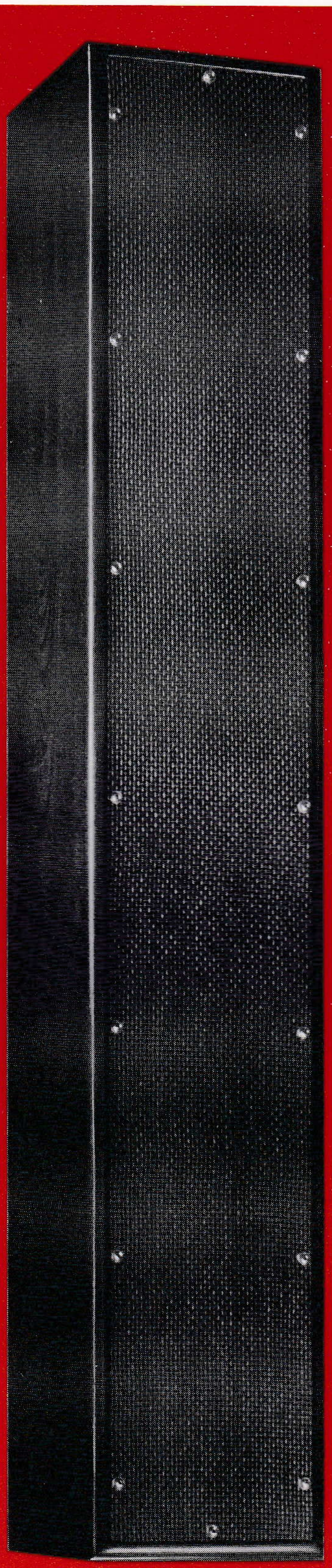
Sound Columns

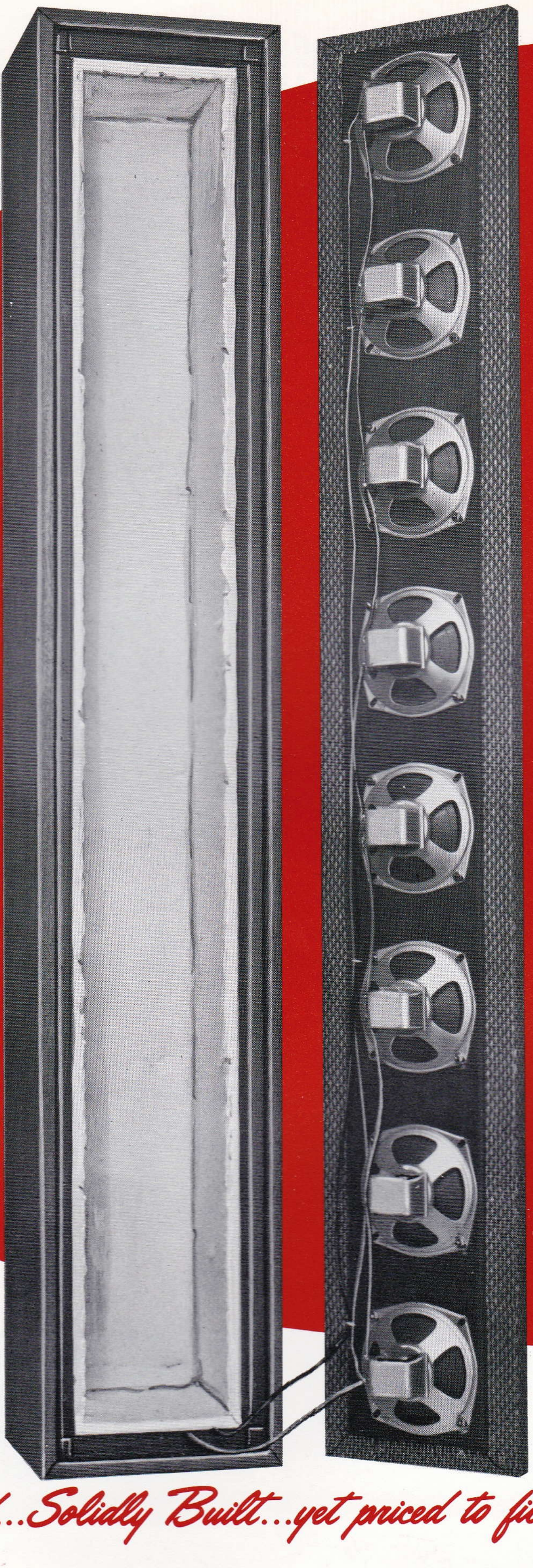
Solid hardwood with *fine furniture finishes!*



...ideal for-

- Churches
- Nite Clubs
- Restaurants
- Auditoriums
- Gymnasiums
- Theatres
- Lecture Halls

soundolier
COLUMNS



Interior View

Solid hardwood furniture finish

5-ply plywood laminated on inside walls

Provisions for mounting a matching transformer

Specially designed 5" speakers

Three furniture finishes available . .

walnut, fruitwood, blonde

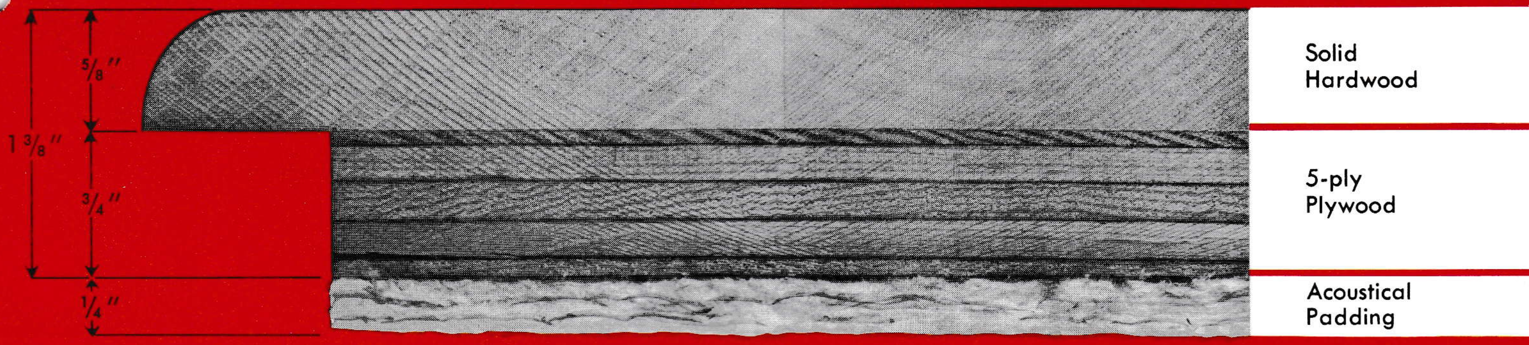
Cane style grille cloth

Mounting hardware included

Carefully Crafted...Solidly Built...yet priced to fit a budget!

soundolier
COLUMNS

STURDIER CONSTRUCTION ELIMINATES CABINET VIBRATION



ACTUAL SIZE CUT-A-WAY SECTION

GENERAL DESCRIPTION

Soundolier offers a series of sound columns combining sturdy construction with fine wood finishes, all economically priced.

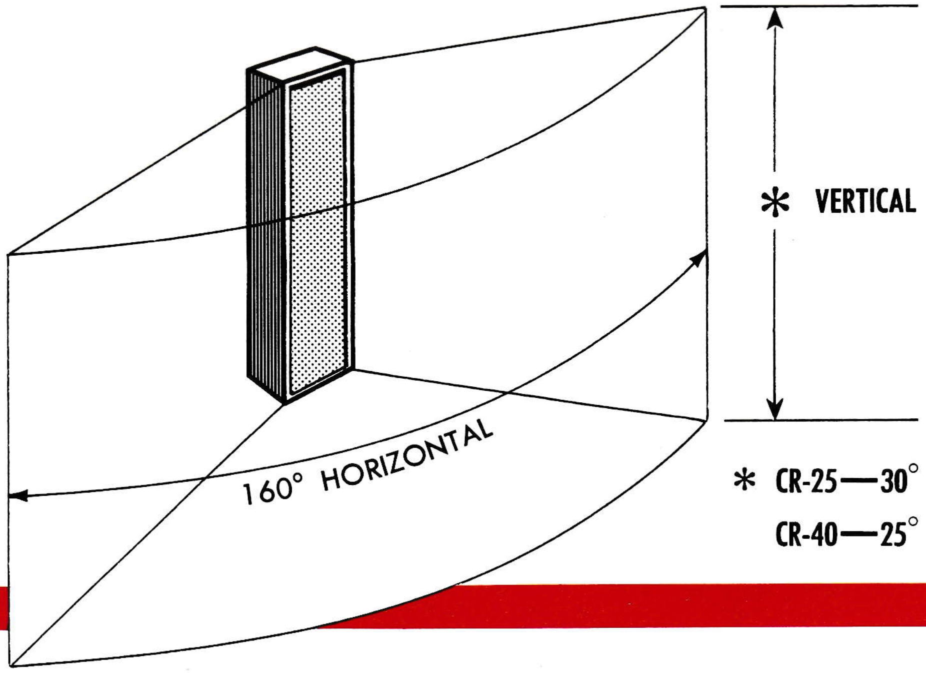
The columns are constructed of ⅜″ thick hardwood reinforced with ¾″ plywood making a total thickness of 1⅜ inches. In addition the interior is lined with ¼″ acoustical padding.

A choice of three fine furniture finishes is available: walnut, fruitwood, or natural blonde. Each column is stained and provided with a lustrous finish.

The 5″ loudspeakers used are specially designed for these sound columns. The low frequency response has been purposely attenuated to minimize the possibility of feedback. Thus maximum power may be employed while maintaining intelligibility. When properly placed, Soundolier columns will provide complete coverage with no "dead spots".

An additional feature is the provision of a covered opening in the back of the column for mounting a matching transformer.

A hinge and chain assembly is included with each column. Using this type of mounting, the column can be properly "aimed" for best coverage.

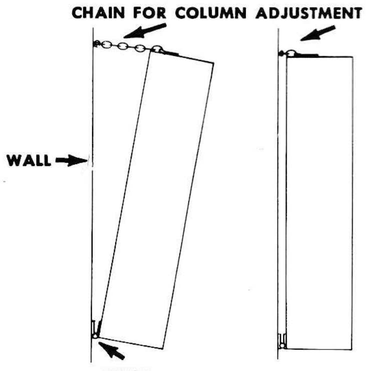


Wide horizontal and narrow vertical dispersion pattern—uniform coverage in audience listening area

Architects' and Engineers' specifications

The sound column shall be SOUNDOLIER MODEL____________. Power rating shall be____________. Impedance shall be____________ohms. The sound column shall utilize____________specially designed 5″ speakers. Its frequency range shall be__________ to __________. The column snall be constructed of ⅝″ solid hardwood, reinforced with ¾″ plywood. (Total wall thickness, 1⅜″.) Column finish shall be____________. A covered opening shall be provided on the back of the column for mounting a matching transformer. Dimensions of the column shall be____________. The mounting hardware shall consist of a hinge and chain assembly to provide for proper column adjustment.

MODEL	FINISH	POWER RATING	IMP.	NUMBER OF SPKRS.	SPKR. SIZE	FREQ. RANGE	SIZE
CR-25W	WALNUT	25 WATT	8 OHMS	6	5″	180-10kc	36″x9″x8″
CR-25F	FRUITWOOD	25 WATT	8 OHMS	6	5″	180-10kc	36″x9″x8″
CR-25B	BLONDE	25 WATT	8 OHMS	6	5″	180-10kc	36″x9″x8″
CR-40W	WALNUT	40 WATT	16 OHMS	8	5″	160-10kc	52″x9″x8″
CR-40F	FRUITWOOD	40 WATT	16 OHMS	8	5″	160-10kc	52″x9″x8″
CR-40B	BLONDE	40 WATT	16 OHMS	8	5″	160-10kc	52″x9″x8″



INSTALLATION

SOUNDOLIER columns can be easily installed using the hinge and chain assembly supplied with each unit.

By properly adjusting the chain, it is possible to "aim" the column for uniform coverage in the listening area.

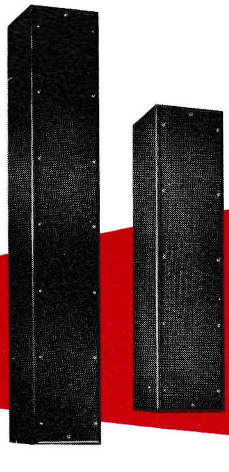
Mounting instructions are included with each column.

ORDERING INFORMATION

MODEL	FINISH	POWER RATING	SHIPPING WEIGHT
CR-25W	WALNUT	25 WATT	35 POUNDS
CR-25F	FRUITWOOD	25 WATT	35 POUNDS
CR-25B	BLONDE	25 WATT	35 POUNDS
CR-40W	WALNUT	40 WATT	45 POUNDS
CR-40F	FRUITWOOD	40 WATT	45 POUNDS
CR-40B	BLONDE	40 WATT	45 POUNDS

For Additional Information:

SOUNDOLIER, INC.
9380 Watson Industrial Park
St. Louis, Mo. 63126
Phone: WO. 2-9870 (Area 314)



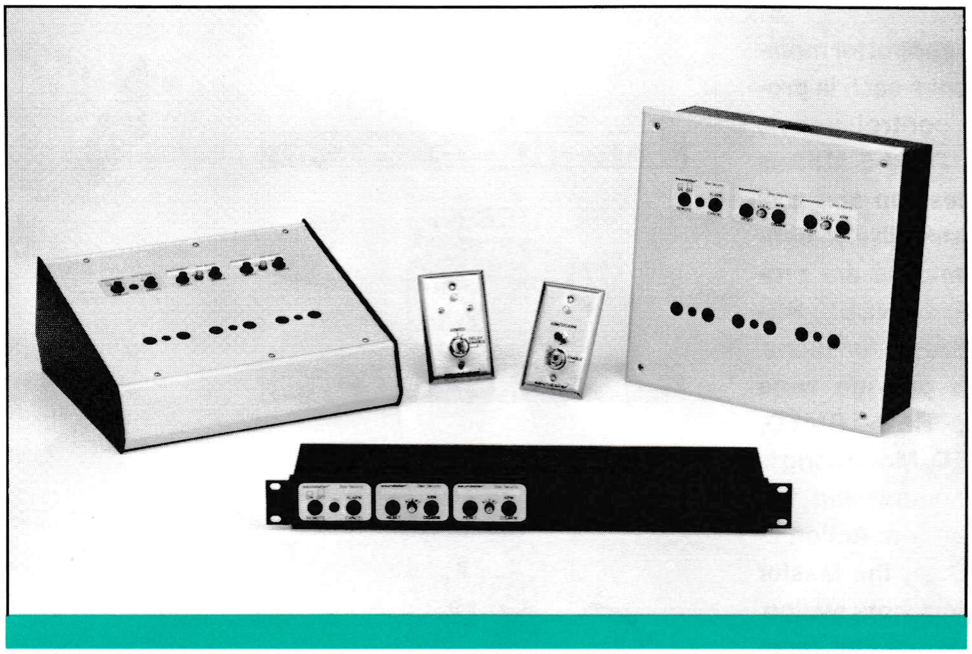
soundolier
COLUMNS

LOUDSPEAKER BAFFLES

Description	Model or Series	Specifications
Recessed Ceiling	110 Series	Wide Angle
" "	60 Series	Trim ring
" "	61 Series	Trim ring
" "	68 Series	Low Ceiling
" "	162 Series	Decorative trim ring
" "	66 Series	Louvered
" "	67 Series	Louvered
" "	10, 12 Series	Tile replacements
" "	15, 17 Series	Tile replacements
" "	51 Series	Trim ring
" "	18 Series	Louvered trim square
Surface Ceiling	210, 212 Series	Wide Angle
" "	23 Series	Low Ceiling
" "	24 Series	Louvered
" "	260 Series	General Purpose
Recessed Wall	164 Series	Two piece trim square
" "	165 Series	Aluminum trim square
" "	168 Series	Decorative trim square
" "	63 Series	Economical trim square
" "	460 Series	Controlled directional
" "	461 Series	Controlled directional
" "	800 Series	High Fidelity, bass reflex
" "	169 Series	Economical trim square
" "	NC850 Series	Clock Baffle
" "	820 Series	Clock Baffle
" "	830 Series	Clock Baffle
" "	166 Series	Concrete block replacement
" "	160 Series	Trim square
" "	840 Series	Clock Baffle
" "	161 Series	Trim square
Surface Wall	410 Series	Compact, round
" "	420 Series	Controlled directional
" "	415 Series	Controlled directional
Suspension	310 Series	Wide Angle
"	315 Series	Spherical
Corridor	510 Series	Bidirectional, round
"	512 Series	Bidirectional, angular
Accessories	335 Series	Suspension hangers
"	235 Series	Safety guards
"	180 Series	Channel supports
"	181 Series	Mounting adapters
"	186 Series	Mounting channels
Enclosures & Plaster rings	95 Series	Round enclosure
" " "	76, 75 Series	Round plaster rings
" " "	77, 78 Series	Round plastic plaster rings
" " "	191 Series	Rectangular enclosures
" " "	177, 178 Series	Rectangular plaster frames
Plastic recessed baffles	P900	Trim ring
" " "	P910	Trim square
" " "	P912	Trim square
Torsion Spring Recessed	T610	Trim ring
" " "	T620	Trim square

(list additions below)

soundolier®
DOOR SECURITY SYSTEM



GENERAL DESCRIPTION

The Soundolier Door Security System provides immediate audible/visual acknowledgement and exact location of an unauthorized exit/entry through a protected opening. Modular system may be used in commercial, industrial and institutional applications to provide effective traffic monitoring and zone supervision.

Master Panels are available in rack mount, desk top, and wall mount versions to meet a wide range of installation requirements. For large scale monitoring applications where security console space is limited, the rack mount version is ideal. A six unit system will monitor 59 protected zones in 17½″ rack panel space!

Remote stations are available in keylock/pushbutton and keylock/time delay versions to fulfill a variety of exit/entry needs within the same security installation.

The Soundolier Door Security System operates on 12 VDC.

APPLICATIONS

For commercial environments, the Soundolier Door Security System may be used to provide traffic monitoring in restricted office and retail areas. The system may also be utilized in conjunction with an existing building security system to achieve specific door monitoring capability.

For industrial applications, the system may be used to prevent unauthorized exit/entry of systems control equipment, inventory storage and prohibited areas.

For the institutional market, the Soundolier Door Security System provides nursing homes, retirement centers and other healthcare facilities with a reliable method of monitoring perimeter doors and windows; as well as interior stairwells, medical storage and treatment facilities.

soundolier® DIVISION OF AMERICAN TRADING AND PRODUCTION CORPORATION
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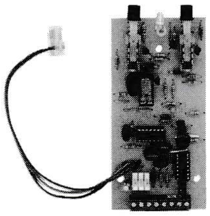
SYSTEM OPERATION

Centralized system control for monitoring up to five zones each is provided by master control panels DSR-5, DSD-5 and DSW-5. Models are rack mount, desktop and wall mount versions respectively. Simple pushbutton switches are provided for ON/OFF, CANCEL, RESET and ARM/DISARM functions. Dual color LED's provide zone status indication: RED-ARMED, GREEN-DISARMED. Monitoring is accomplished by depressing the appropriate zone button. Action illuminates red LED on the Master and corresponding remote station. A second depression of the same button disarms the zone and changes LED status to green. Unauthorized breech of a protected opening causes an audible pulsing alert to sound at the Master and the respective LED's to flash. The audible tone may be cancelled at the Master but the LED's will continue to flash until the breeched opening is closed and the zone reset at the Master. Relay contacts are available to hook-up additional remote signaling devices if desired.

RACK MOUNT SYSTEM

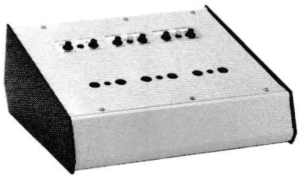
DSR-5

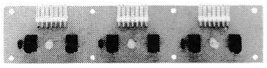
DSRA-6

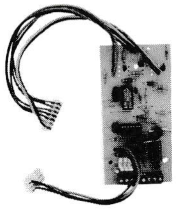

DSRC-1

Rack Mount System employs model **DSR-5** Master Panel. Unit is designed for convenient rack mounting in 19" security consoles and racks. Model is complete with two door/zone control modules and may be expanded to monitor five zones. Expansion requires one **DSRC-1** door/zone control module per additional zone. Unlimited zone monitoring capability may be achieved by adding **DSRA-6** expansion modules. Each expansion module mounts up to six DSRC-1 door/zone control modules. Note: Additional power supply is required for each DSRA-6 expansion module. Rack master and expansion modules are housed in sturdy CRS enclosure finished in Black baked enamel. Size: 17¼"W x 1¾"H x 4⅝"D.

DESK TOP SYSTEM

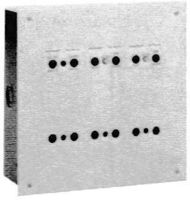

DSD-5


DSEXP-3

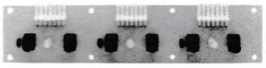

DSC-1

Desk Top System employs model DSD-5 Master Panel. Unit is complete with two door/zone control modules and may be expanded to monitor five zones. Expansion requires model **DSEXP-3** expansion module and one each **DSC-1** door/zone control module per zone. Unit is constructed of sturdy CRS. Face plate and housing are finished in Light Satin Beige. End panels are contrasting Dark Bronze. Size: (O.D.) 11¾"W x 5½"H x 11¾"D.

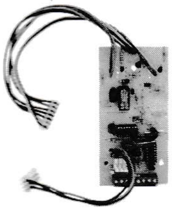
WALL MOUNT SYSTEM



DSW-5



DSEXP-3

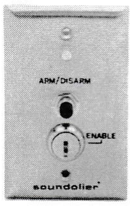


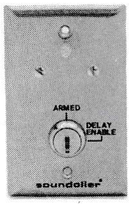
DSC-1

Wall Mount System employs model **DSW-5** Master Panel. Unit functions the same as model DSD-5, but is designed for wall mounting. Face plate mounts directly to Enclosure which may be pre-installed. Face plate is constructed of sturdy CRS and finished in Light Satin Beige. Size 11½″W x 11½″H. Enclosure Model **DSW-E** is required for the Wall Mount System (order separately). Unit is constructed of sturdy CRS and finished in a rust preventive coating. Size 10⅝″W x 10⅝″H x 3¾″D.

REMOTE STATIONS

RKS-1



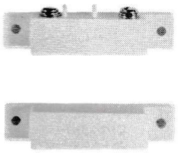


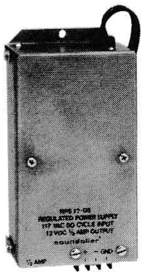
RTS-1

Remote stations RKS-1 and **RTS-1** provide for keylock entry through an opening connected to the system. Model RKS-1 utilizes a keylock/push-switch arrangement to arm and disarm a zone. Arming status is indicated at the door and at the Master. Model RTS-1 utilizes a keylock/time delay arrangement to disarm a zone for a designated time period. Intervals between 5 seconds and 2 minutes may be preset. When the designated time period expires, the station will rearm automatically. Status change does not occur at the Master unless the time limit has been violated. Stations are mounted to a one gang stainless steel plate. Size: 4½″ x 2¼″.

DOOR SWITCH/ POWER SUPPLY

RSM-1





RPS12-05

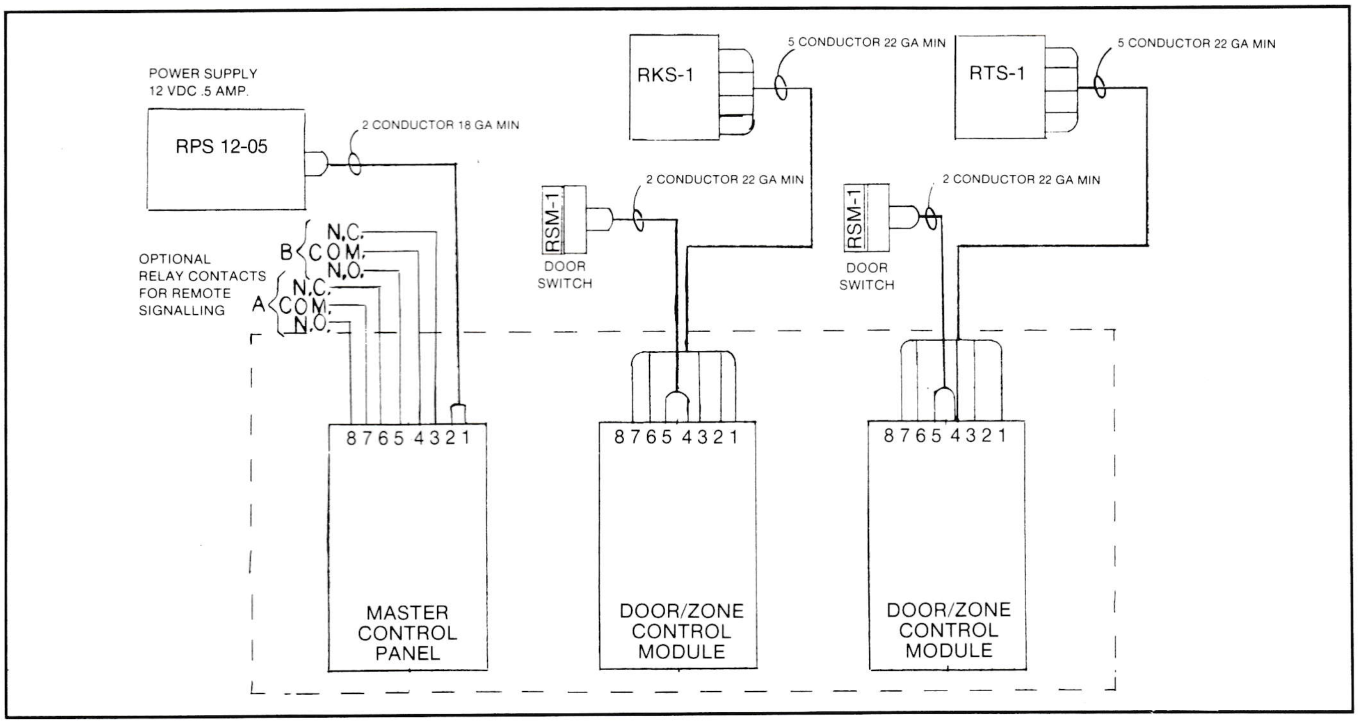
Magnetic Door Switch Model **RSM-1** is a surface mount switch with screw terminal contact and magnet. Switch has an operating gap of 0.500″ and a maximum contact current of 1 A DC for closed circuit operation.

Power Supply Model **RPS12-05** is a regulated 12 VDC, ½ amp supply. Compact, lightweight unit will power Master control panels DSR-5, DSW-5 and DSD-5 with five zones or a rack mount expander panel model DSRA-6 with six zones.

SPECIFICATIONS

INPUT POWER	117 VAC, 60 cycles, 25 watts
OUTPUT POWER	12 VDC at .5 amp
REGULATION (no load to full load)	500 mv
RIPPLE (at full load)	.5 mv
SIZE	6¾″ x 3⅝″ x 2″
SHIPPING WEIGHT	3 lbs.
FINISH	zinc plated gold irridescent finish

TYPICAL WIRING DIAGRAM


POWER SUPPLY
12 VDC .5 AMP.
RPS 12-05
2 CONDUCTOR 18 GA MIN
RKS-1
5 CONDUCTOR 22 GA MIN
RTS-1
5 CONDUCTOR 22 GA MIN
2 CONDUCTOR 22 GA MIN
2 CONDUCTOR 22 GA MIN
RSM-1
DOOR SWITCH
RSM-1
DOOR SWITCH
OPTIONAL RELAY CONTACTS FOR REMOTE SIGNALLING
B
N.C.
COM.
N.O.
A
N.C.
COM.
N.O.
8 7 6 5 4 3 2 1
MASTER CONTROL PANEL
8 7 6 5 4 3 2 1
DOOR/ZONE CONTROL MODULE
8 7 6 5 4 3 2 1
DOOR/ZONE CONTROL MODULE

Soundolier's Door Security Systems are guaranteed for one year after date of purchase against defects in components and workmanship. The system is manufactured in the United States in our own electronics plant. US made quality backed by solid Soundolier support; an unbeatable combination.

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EMERGENCY TELEPHONE COMMUNICATION
SYSTEM

MT-400
EP-10
CM-1
BC-1
FTS24-RM
FTS24
FTE-14
L22-300FT
L22-303FT
L22-310FT
L22-313FT
L20-300 BX
L20-310BX
L20-300FD
L20-301FD
L20-302FD
L20-300BKG
L22-330/331FT
L22-340/341FT
L22-320FT

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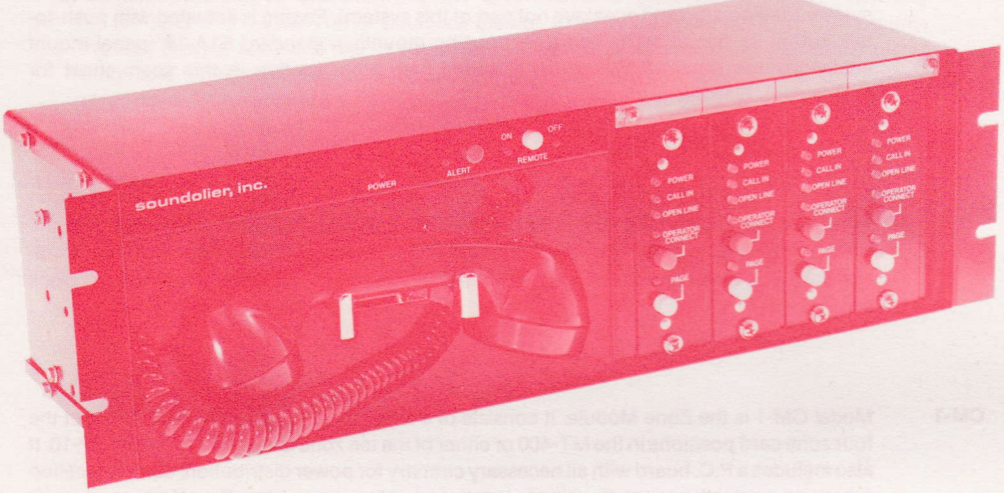

FEATURES

- Modular Construction
- Audible-Visual Alarm
- Remote Alarm Provision
- Call-In Assurance
- Zone to Zone Communications
- Paging
- Choice of Telephone Station Types
- Easy Expandibility

GENERAL DESCRIPTION

The Soundolier Emergency Telephone Communication System provides communications between remote telephone stations in a building and a master control panel. This system is a modular design with each zone employing a plug-in module. Each zone module provides electronic supervision of the wiring to the remote telephone stations. Open or short circuits in the installation wiring activate both an audible and visual alarm at the master control panel. A remote alarm can also be activated.

The system can employ either remote telephone stations or telephone jack assemblies. A portable handset is used in conjunction with the jack assemblies.

As many as five telephone stations can communicate with the master panel. This can be any combination of zones, or five telephones in one zone.

This system is Listed under UL Standard 864 (File # S2952) and to maintain the U.L. listing must be installed in a listed equipment enclosure or a compatible emergency communications system enclosure.

An optional UL Listed Surface Cabinet is available to install the electronic control assemblies or one of Soundolier's UL Listed Equipment Cabinets may be used (see spec. sheet #SL1290).

SYSTEM FEATURES

Modular Construction
The Master Panel and Zone Modules are a plug-in design. This allows easy expandibility and fast replacement in the event of a problem.

Audible-Visual Alarm
Any "trouble" or "call-in" condition (remote station call-in, open line, or shorted line) activates an audible and visual indicator. The audible alarm is cancelled by actuation of the "alert" button. The visual "trouble" or "call-in" indicators remain lit until the remote station goes on hook in the event of a "call-in" or until wiring problems are resolved in the event of an open or shorted telephone line.

The audible alarm level can be controlled over a limited range by means of a Master Panel volume control. This control cannot completely turn off the audible alarm, thus assuring no missed "trouble" calls.

Remote Alarm Provision
A remote alarm can be operated by the built-in relay. The relay contacts are DPDT and are actuated each time a "trouble" signal is received. The remote alarm can be by-passed by means of a front panel switch.

Call-In Assurance
Upon lifting any remote telephone station handset or plugging in a portable handset at a jack station, the caller will hear a steady tone if the Master Panel handset is on hook. A pulse tone is heard if the Master Panel handset is off-hook. In either case the caller is assured that his call has been annunciated and that the system is operational.

Zone to Zone Communications
In addition to communications between remote stations and the Master Panel, the various zones can be connected together by depressing the "Operator Conn." button on the respective zones. This allows the Master Panel to control zone to zone communications.

Paging
The Master panel telephone handset, or the remote telephones, can be connected to a separately installed paging system. This is done via a line level output on the Mater Panel. An electronic "level control" maintains a constant output signal should more than one handset be connected to the paging buss. Connection of the remote telephone to the external paging system is controlled by the Master Panel.

Choice of Telephone Station Types
The remote telephone stations can be a complete telephone assembly (handset, hook switch, enclosure and front door) or a telephone jack only. (The telephone jack remote station requires the use of the L22-320-FT portable handset). Any combination of telephone stations and telephone jacks can be employed in a typical system.

Easy Expandibility
The MT-400 Master Panel can accommodate up to (4) four CM-1 zone modules. If additional zones are required the EP-10 Expander Panel can be employed and an additional (10) ten zone modules can be added. Additional EP-10 Expander Panels can be installed if the system size dictates more zones. (As system size expands, additional power supplies are required. See Installation Instructions).

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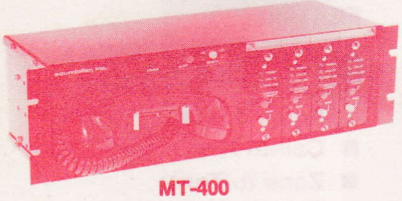
EMERGENCY TELEPHONE COMMUNICATION SYSTEM MODELS

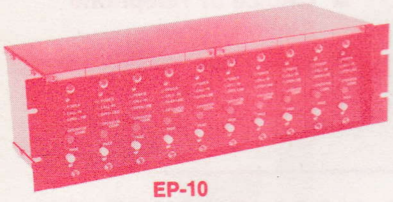
CONTROL ASSEMBLY MODELS

Model No. **Description**



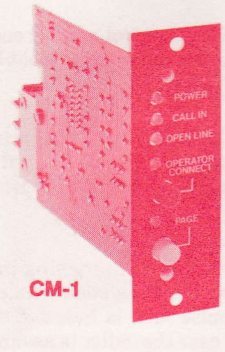
MT-400

MT-400 Model MT400 is the Master Control Panel complete with handset and provisions for installation of up to "4" CM-1 Zone Modules (see below). Additionally, the unit contains audible-visual tone alert, remote alarm button, indicator lamps (LED's) for power and remote alarm status. A constant level paging output is provided for integrating into any existing paging system (paging amp and speakers not part of this system). Paging is actuated with push-to-talk button on handset. Rugged steel housing mounts in standard E1A 19" panel mount enclosure and requires 5¼" of panel space (see other section in this spec. sheet for enclosures). Finish is black semi-gloss.



EP-10

EP-10 Model EP-10 is the Zone Expander Panel with provisions for installation of up to "10" CM-1 Zone Modules (see below). If a system requires more than four zones of communication, the EP-10 is required for additional zone card locations. Unit is constructed of rugged steel with standard E1A 19" panel mounting provisions and requires 5¼" of panel space. Finish is black semi-gloss.

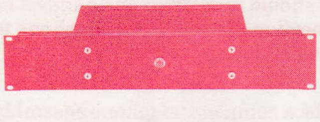


CM-1

CM-1 Model CM-1 is the Zone Module. It consists of a small panel which mounts in either of the four zone card positions in the MT-400 or either of the ten zone card positions in the EP-10. It also includes a P.C. board with all necessary circuitry for power distribution, communication functions, paging functions (from zone location) and line supervision. Panel indicator Lamps (LED's) are provided for visual indication of "Power," "Call-In," "Open Line," "Operator Connect" and "Page" functions. Pushbuttons are provided for initiating the "Operator Connect" and "Page" functions. Panel is constructed of steel with black semi-gloss paint finish.

BC-1

BC-1 Model BC-1 is a blank cover for installation over any unused zone card (CM-1) locations in either the MT-400 or EP-10. It is constructed of rugged steel with black semi-gloss paint finish.



FTS24-RM

FTS24-RM Model FTS24-RM is a rack mount (19" EIA) power supply for the Emergency Telephone Communication System. It requires 3½" of panel space. The unit is enclosed in a rugged steel housing with black semi-gloss paint finish. The following is a listing of the electrical specifications.

Power Indication	Neon Pilot Lamp
Power Input	117 VAC, 60 HZ
Convenience Outlet	117 VAC, not switched
Power Output	24VDC @ 2 amps
Output Watts	48
Input Watts	64
Input Termination	6 ft. power cord 2 cond. plus gnd.
Output Terminals	Screw type barrier
Output Ripple	80MV @ rated load
Output Protection	2 amp fuse
Input Protection	Circuit breaker
Weight	9.2 lbs. (4.17 kg)
Finish	Black semi-gloss

FTS24

FTS24 Model FTS24 is a shelf mount power supply for the Emergency Telephone Communication System. It's rugged steel housing has a black semi-gloss finish. Specifications are the same as the FTS24-RM with the following differences:

Size	3⅞" H x 10⅞" W x 6" D
Weight	9 lbs. (4.08 kg)

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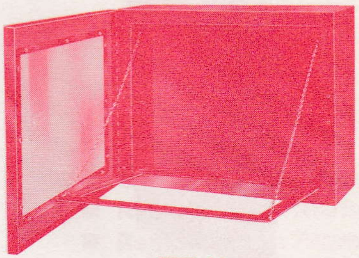
EMERGENCY TELEPHONE COMMUNICATION SYSTEM MODELS

OPTIONAL ENCLOSURES

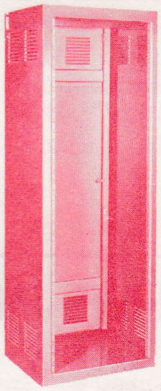
Surface Wall Cabinet

Model No.	Description
FTE	**Wall Cabinet** Soundolier Model FTE-14 wall cabinet is UL Listed as an accessory device to the Emergency Telephone Communication System. It is constructed of 16ga CRS and utilizes standard EIA 19" panel mounting dimensions. It has 14⅛" of vertical panel space and will mount "1" MT-400, "1" EP-10 and "1" FTS24-RM or variations thereof. Convenient swing out 11ga CRS mounting rails provide access to rear of equipment. The front door is mounted with sturdy piano hinge and comes complete with lock to prevent unauthorized tampering. A smoked plexiglass opening in the door allows visual monitoring. Dimensions- 20$\frac{3}{16}$" H x 24¼" W x 9" D.


FTE-14

UL Listed Equipment Cabinets

Soundolier offers a complete line of UL Listed equipment cabinets. These may be used in conjunction with the Emergency Telephone Communication System. All these units are UL Listed in accordance with UL Standard 864. Ask for specification sheet #SL1290 for complete information.


UWA100-61
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TELEPHONE STATION MODELS

Telephone Assemblies

Soundolier Emergency Telephone Assemblies consist of handset, chrome hanger hookswitch, wiring terminated on 7 point barrier strip and integral mounting raceway. All components are mounted and wired for use with the Emergency Telephone Communication System. The raceway is constructed of rugged steel with painted finish. Various configurations are available for surface and recessed enclosures as well as coiled cord and armored cable cordset models.

These telephone assemblies can be combined with the proper enclosure and front door to provide a complete telephone station.

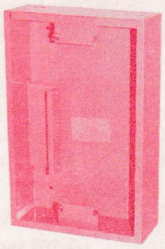
The following model number configurations are available.

Model No.	Description
L22-300-FT	Telephone assembly with coiled cord for use with the L20-300BX recessed enclosure (see below).
L22-303-FT	Same as above but with 22" armored cable.
L22-310-FT	Telephone assembly with coiled cord for L20-310BX surface enclosure (see below).
L22-313-FT	Same as above but with 22" armored cable.

L22-310-FT
Shown

Enclosure Assemblies

Model No.	Description
L20-300-BX	Recessed enclosure for L22-300-FT and L22-303-FT telephone assemblies. Unit is manufactured of rugged steel with red painted finish.
L20-310-BX	Surface enclosure for L22-310-FT and L22-313-FT telephone assemblies. Unit is manufactured of rugged steel with red painted finish.


L20-310-BX
Shown

EMERGENCY TELEPHONE COMMUNICATION SYSTEM MODELS

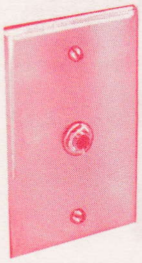
emergency
telephone

L20-300-FD
Shown

Front Door Assemblies

Model No.	Description
L20-300-FD	Front door assembly with breakglass for L20-300-BX or L20-310-BX enclosure. Unit includes lock and key. It is manufactured of rugged steel with a red painted finish. The nomenclature "EMERGENCY TELEPHONE" is silkscreened on front of door.
L20-301-FD	Non-breakglass front door assembly. All other specifications are the same as L20-300-FD above.
L20-302-FD	Solid front door assembly. Unit has friction latch in place of lock. Manufactured of steel with red painted finish. Silkscreened same as L20-300-FD above. All other specifications same as L20-300-FD above.
L20-300-BKG	Replacement breakglass for model L20-300-FD.

TELEPHONE JACK ASSEMBLIES



L22-330-FT

L22-331-FT

L22-320-FT

Wall Plate Assemblies

Soundolier's wall plate assemblies can be used in place of the telephone handset/hook-switch stations. These units consist of a three circuit ¼" phone jack terminated on a 3 point barrier strip. All these components are mounted to a one gang stainless steel wall plate. The wall plate is manufactured of 22ga. s/s, non-magnetic with a #4 brushed finish. Versions are available with or without breakglass and with or without companion surface one gang steel enclosure. These assemblies are used in conjunction with the L22-320-FT portable handset.

Model No.	Description
L22-330-FT	Telephone handset jack on 1 gang stainless steel plate.
L22-331-FT	Telephone handset jack on 1 gang s/s plate with breakglass.
L22-340-FT	Telephone handset jack on 1 gang s/s plate complete with 1 gang surface enclosure.
L22-341-FT	Telephone handset jack on 1 gang s/s plate with breakglass, complete with 1 gang surface enclosure.

Portable Handset Assembly

Soundolier's portable handset assembly is designed to be used in conjunction with the L22 Wall Plate assemblies.

Model No.	Description
L22-320-FT	Portable handset with coiled cord and three circuit ¼" phone plug. Unit is high impact plastic, color red. Transmitter - High quality carbon 25-50 ohms impedance Receiver - Magnetic, ring armature diaphram, 150 ohms impedance.

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MODULAR RELAY PAKS

RPM-2 RPM-8 RLM-24
RPM-4 RPM-12 RLM-24-5

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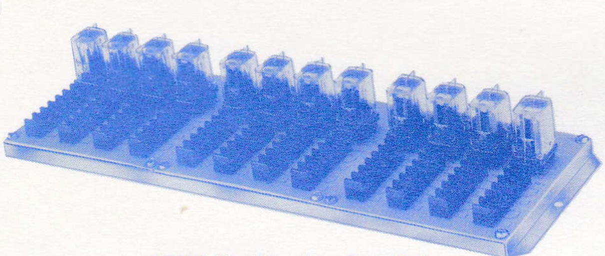
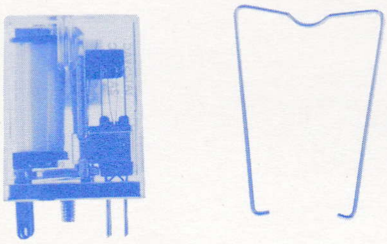
RPM-12
RPM-8
RPM-2
RPM-4


RPM-12 with relays installed


RLM-24
RLM-24-5

Soundolier's RPM/RLM Series is a modular relay pak line offering flexibility in configuration in terms of numbers of relays, relay type and built-in expansion.

This Series consists of four basic relay pak module chassis models (RPM-2, -4, -8, -12) and two types of plug-in relays (RLM-24, RLM-24-5). Relay chassis and relays are ordered separately. This allows the user to order only the number of relays required with any unused chassis sockets to be used for future expansion.

Two different types of encased DPDT plug-in relays are available. Model RLM-24 is a 24 VDC relay with 3 amp fine silver, gold plated contacts. It is excellent for switching low level circuits (10 MA minimum to 3 AMP maximum) with virtually no long term oxidation problems. Model RLM-24-5 is a 24 VDC relay with 5 amp fine silver, gold plated contacts for switching higher current circuits (500 MA minimum to 5 AMP maximum).

Four models of relay pak module chassis are available. Models RPM-2, -4, -8 and -12 have provisions for 2, 4, 8 and 12 relays respectively. One side of each relay coil is terminated on same terminal eliminating the need for bussing. These units have plated steel chassis with rugged fiberglass printed circuit boards. All relay contacts are clearly silkscreened on each PC board for easy circuit wiring. Additionally, each chassis comes complete with Soundolier's "Insta Mount" for quick installation. All relay connections are terminated on barrier type screw terminals to prevent accidental shorting.

RELAY PAK MODULES

Model No.	Number of Relay Sockets	Dimensions
RPM-2	2	4¾"L x 3⅛"W x 15/16"H
RPM-4	4	5½"L x 4¾"W x 15/16"H
RPM-8	8	10¼"L x 4¾"W x 15/16"H
RPM-12	12	15"L x 4¾"W x 15/16"H

PLUG IN RELAYS (Ordered Separately)

Model No.	Type	Contact (Material)	Contact (Rating)	Power
RLM-24	DPDT	Fine Silver, Gold Plated	10 MA to 3 amp	24 VDC 60 MA
RLM-24-5	DPDT	Fine Silver, Gold Plated	500 MA to 5 amp	

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The relay assemblies shall consist of Soundolier Model RPM-2 (-4, -8, -12) Relay Pak Modules with ______________ RLM-24 (RLM-24-5) plug-in relays. Relays shall be completely enclosed for mechanical protection and dust free operation. Each relay shall terminate on screw type barrier strips for accidental short prevention. The relays shall be 24 VDC, DPDT with fine silver, gold plated contacts. Relay circuit connections shall be silkscreened on Relay Pak Module chassis for ease of circuit wiring. Unit shall have plated steel chassis with pressure sensitive tape for instant mounting and fiberglass PC board for relay sockets and termination.

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UL LISTED SIGNALLING
STROBE LIGHTS

SV22-2
SV42-2
SV33-2

UL

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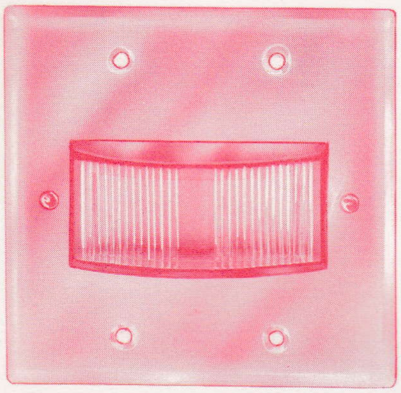
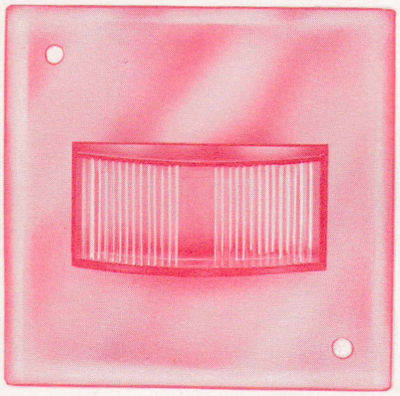


SV22-2



SV42-2

FEATURES

- **High output (10,000 candlepower, 2 candela UL rated)**
- **Low current (33 ma at 24 VDC)**
- **Fresnel Lens for maximum light dispersion**
- **Rugged stainless steel plate**
- **Polarity protected**

Soundolier's SV strobe light series is a group of UL listed visual signalling devices for emergency evacuation, security and industrial signalling systems conforming to UL standard 1638. High quality electronic components assures maximum light intensity (10,000 candlepower, 2 candela UL rated) with minimal current draw (33 ma at 24 VDC). Each strobe assembly consists of high output Xenon flashtube, electronic flash circuit (polarity protected) and Fresnel lens mounted to a stainless steel plate. Two and three gang versions are available. Normal operating voltage is 24 VDC. Each unit is shipped with clear mylar labels with the nomenclature "FIRE" and "EMERGENCY". These labels are designed to be affixed over the Fresnel lens if desired.

UL

VISUAL SIGNAL ASSEMBLY SPECIFICATIONS

Flashtube Type	Xenon
Flash Rate	1 to 3 flashes per second
Peak Candlepower	10,000
UL Rated Candela	2
Input Voltage	24 VDC polarized
Input Current	33 ma
Lens Type	Curved Fresnel, clear
Polarity Protection	Input diode
Termination	6"(152mm) pigtail leads, color coded
Mounting Plate	Type 304 stainless steel with #4 brushed finish
Dimensions	SV22-2, SV42-2, 4½"H x 4$\frac{9}{16}$"W x 1½"D SV33-2, 4½"H x 6⅜"W x 1½"D

MODEL SPECIFICATIONS			
Model	**Type**	**Voltage**	**Mounts To**
SV22-2	2 gang	24 VDC	Standard 4" E.O. box with 2 gang plaster frame
SV42-2	2 gang	24 VDC	Standard 4" E.O. box without plaster frame
SV33-2	3 gang	24 VDC	Standard 3 gang E.O. box or junction box with 3 gang plaster frame

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The Visual Signal Assembly shall be Soundolier Model__________ (SV22-2, SV42-2, SV33-2) or equivalent. Unit shall incorporate a 10,000 candlepower, 2 candela Xenon strobe assembly operating at 24VDC, 33 ma. It shall utilize a Fresnel lens and provide diode input for polarity protection ("and line supervision," - if required). Assembly shall be UL listed and shall be mounted on type 304, non-magnetic stainless steel plate which mounts to standard E.O. box.

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ELEVATOR EMERGENCY COMMUNICATIONS STROBE

EWL-1

soundolier®

EMERGENCY
USE THE
EXIT STAIRS

FEATURES

- **High intensity xenon flashtube**
- **Low current drain (33 ma at 24 VDC)**
- **High impact polycarbonate lens**
- **Rugged 3 gang stainless steel wall plate**
- **Polarity protection is standard**
- **Mounts to standard 3 gang E.O. Box**

Soundolier's MODEL EWL-1 strobe assembly is designed for use with emergency evacuation systems utilizing the captured elevator technique providing exclusive use by emergency personnel.

The unit is complete with strobe assembly, mounting plate and polycarbonate lens with the words "EMERGENCY USE THE EXIT STAIRS".

Lens nomenclature is applied to the inside surface of the lens thereby providing long life legibility and security against vandalism.

Unit is listed by Underwriter's Laboratories and conforms to UL standard #1638.

SPECIFICATIONS

Strobe:

Light Output .... 10,000 Candlepower
Operating Voltage .... 24 VDC
Current Drain .... 33 ma
Flashtube .... Xenon filled
Polarity Protection Provided

Lens:

Material .... Polycarbonate
Nomenclature .... Applied to inside lens surface

Wall Plate:

Material .... 3 gang Stainless steel, type 304, non-magnetic
Finish .... #4 brushed finish
Overall Dimensions .... 4½H x 6⅜"W x 1½"D

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The Elevator Emergency Communications Strobe shall be Soundolier MODEL EWL-1 or equivalent. Unit shall incorporate a 10,000 candlepower strobe operating at 24 VDC with 33 ma current drain. Strobe shall incorporate polarity protection. Mounting plate to be constructed of type 304 stainless steel. Lens shall be polycarbonate with nomenclature applied to interior lens surface for long life and security against vandalism. Entire assembly shall be UL listed and conform to UL Standard #1638.

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Audio-Visual Call System

FEATURES
- GROUP CALL
- HANDSET AND LOUDSPEAKER CALL OPERATION
- MODULAR DESIGN
- EASY INSTALLATION
- QUICK CONNECT TERMINATIONS

The Soundolier Audio-Visual call system is designed to meet your complete audible signaling and two-way communication needs. Simple modular design provides for easy installation and operation in hospitals, nursing homes, retirement centers and commercial building applications.

Audible-Visual Annunciator alerts personnel of normal and emergency calls. Audio Channel provides for two-way communication and allows non-emergency calls to be answered and cancelled at the master station. Group Call function enables general announcements such as visiting hours to be made simultaneously. "Hands Free" communication is provided by a telephone style handset. Traditional loudspeaker intercommunication is also provided.

Standard system accommodates up to forty stations in a variety of emergency, bedside, staff and duty station combinations. Master stations are available in attractive desktop console or recessed wall mounted designs. Four modular annunciator panels install into each master station. These 10 station selector switch panels employ LED indicators for long life and reliability. Each panel also incorporates a group call and cancel switch. The entire system is operated by a low voltage 24 V.D.C. power supply and separate Audio-Visual control module.

MASTER STATIONS (Models MAVD-40, MAVW-40)

Models MAVD-40 (desk console) and MAVW-40 (wall station) provide centralized system control for the audio visual call system. Audio channel provides for two-way communication between master, bedside and staff stations. Audible/Visual annunciator alerts personnel of incoming call status.

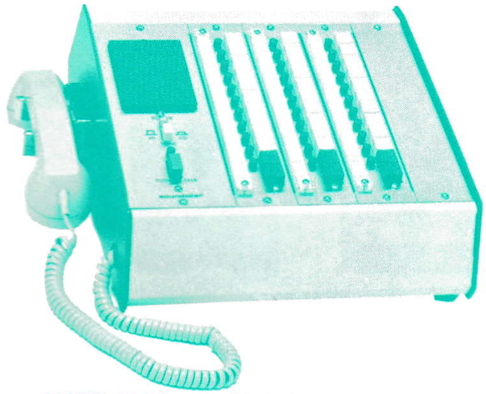
Stations include intercom speaker, audible signaling circuitry, power indicator lamp, handset and module ports for installation of up to four AVAM-10 room annunciator modules. Controls and speaker are mounted to a brushed stainless steel panel. Master Stations employ a printed circuit board with captive screw terminals for power and signal connections. Quick connect plugs are provided for annunciator module connection (model AVAM-10).

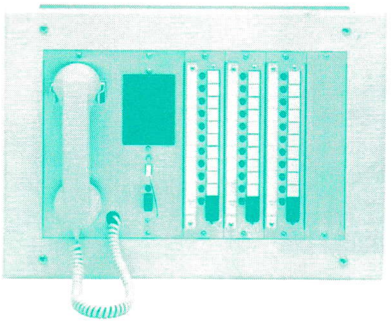
Desk Top Console is constructed of heavy guage CRS. Housing is finished in Light Satin Beige. End panels are finished in a contrasting Dark Bronze. Side mounted handset is provided with 5′ cord.

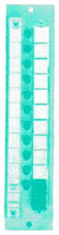
Wall station is furnished with CRS mounting frame finished in Light Satin Beige and front mounted Handset with 5′ cord. Optional CRS Enclosure is available for wall installations requiring enclosure protection. Order model MAVW-4E.

ROOM ANNUNCIATOR MODULE (Model AVAM-10)

The AVAM-10 Room Annunciator Module installs into the master stations to provide modular expansion of serviced areas in increments of ten. Unit consists of brushed stainless steel panel with LED indicator lamps, clear plexiglas room designation strip, and switches for 10 rooms, group call and cancel functions. AVAM-10 employs a printed circuit board with captive screw terminals for field connection of room wiring or for connection of cable run from optional terminal boxes (AVTB-40 or VTB-40). Mating plugs are provided for connecting the AVAM-10 to the master panel or to additional annunciator modules.


MAVD-40 (shown with 3 AVAM-10 modules)


MAVW-40 (shown with 3 AVAM-10 modules)


AVAM-10

SL 1322
Binder Sec. 9
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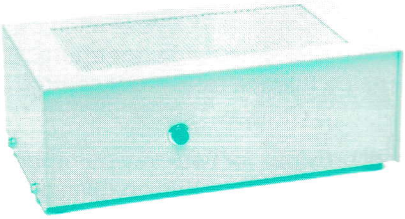
AUDIO VISUAL



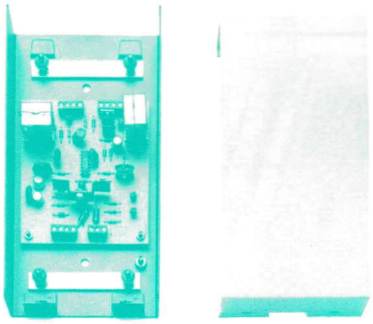
VPS-24

SYSTEM POWER SUPPLY (Model VPS-24)

Power for the audio-visual call system is supplied by model VPS-24. The unit is enclosed in a rugged steel housing painted Light Satin Biege. A fused output provides maximum security against system overloads. Power supply regulator incorporates built in overload protection. Input circuitry with circuit breaker allows quick resetting of AC line power. Barrier strip termination of 24 VDC power output prevents accidental shorting.

Specifications

Input Voltage: 117 VAC, 60 Hz
Input Circuit Protection: Circuit Breaker
Input Termination: 6 ft. cord, 2 conductor with ground
Output Voltage: 24 VDC, 3 Amps
Output Circuit Protection: Fuse, 3 Amps
Output Termination: 3 point barrier strip w/screw terminals
Housing: Cold Rolled Steel
Finish: Light Satin Beige enamel
Size: 10⅞"W x 3⅞"H x 6"D

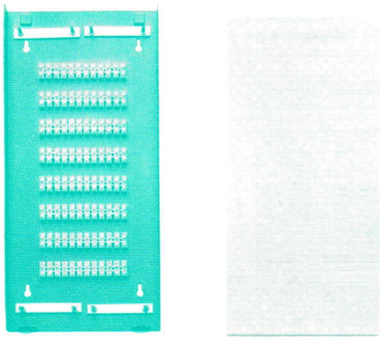


VCM-40

AUDIO-VISUAL CONTROL MODULE (Model VCM-40)

Model VCM-40 Control Module is designed to control the audible pulse rate of normal and emergency calls as well as the visual flash rate of emergency signals. A NORMAL signal consists of an intermittant tone of 3-4 second duration. An EMERGENCY signal is a series of rapid intermittant audible and visual signals. All connections are captive screw terminals. CRS cover is finished in Light Satin Beige. CRS housing is finished in Dark Bronze.

Size: 4½"W x 9"H x 2⅛"D.



AVTB-40

TERMINAL BOX (Model AVTB-40)

Model AVTB-40 is a convenience accessory for connecting and consolidating system wiring for hook up to the master station. Labor saving device provides wiring simplicity and convenient access to connections between system stations and control equipment. Unit incorporates eight 12-point captive screw terminal assemblies, in and out wire cable clamps and keyway wall mounting holes. Easy lift-off cover is secured by two 8-32 screws. Construction is heavy gauge CRS. Cover is finished in Light Satin Beige. Housing is finished in contrasting Dark Bronze.

Size: 8¼"W x 17"H x 1½"D.

MP-1

MASTER PANEL BLANKS (Model MP-1)

Model MP-1 is a blank panel for covering any unused room annunciator ports in the master console. Unit is manufactured of brushed stainless steel to match the control module panels in the master console.

Size: 2"W x 9½"H

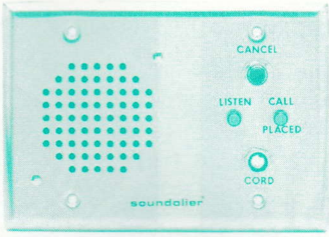
dolier®

CALL SYSTEM

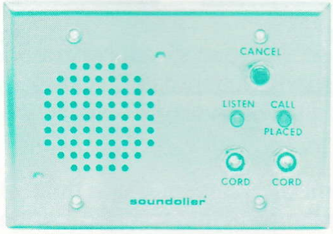
BEDSIDE STATIONS (Models AVRM-103, AVRM-203)

Models AVRM-103 and AVRM-203 are single and dual bedside stations respectively. Units are designed to provide a two-way communication channel between bedside and master stations. Sensitive speaker/microphone allows clear communication between patients and staff at low speaking levels. Stations are mounted to a three gang brushed stainless steel plate.

Units include 3″ speaker, red LED call and listen indicators, cancel switch and ¼″ phone jack (two jacks provided for AVRM-203) for use with cordset models CS-6 and OS-6. Stations employ a printed circuit board with quick connect plug for termination. Mating plug with 6″ pigtail leads is provided. Dummy plugs are also included for use when cordsets are removed. Silkscreened nomenclature reads "CALL PLACED", "LISTEN", "CANCEL", and "CORD".



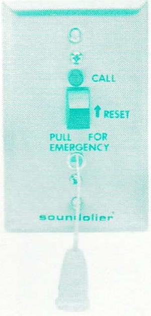
AVRM-103



AVRM-203

EMERGENCY STATION (Model VEM-101)

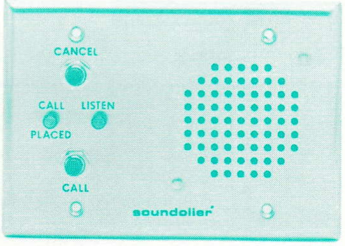
Model VEM-01 is an emergency call-in station mounted to a one gang brushed stainless steel plate. Unit includes red LED call indicator, two position call/cancel slide switch and 3 ft. nylon pull cord. All components are mounted to integral printed circuit board with quick connect plug (male and female provided). Includes silkscreened nomenclature "CALL" and "CANCEL".



VEM-101

STAFF STATION (Model AVSM-103)

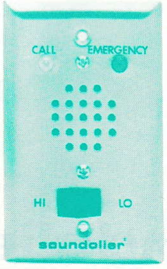
Model AVSM-101 is a staff station designed to provide a two-way communication channel between staff and master stations. Sensitive speaker/microphone allows clear communication between staff at low speaking levels. Station is mounted to a three-gang brushed stainless steel plate. Unit includes 3″ speaker, red LED call and listen indicators, cancel and push to call switch. Models employ a printed circuit board with quick connect plugs for termination. Mating plug with 6″ pigtail leads is provided. Silkscreened nomenclature reads "CALL PLACED", "LISTEN", "CALL" and "CANCEL".



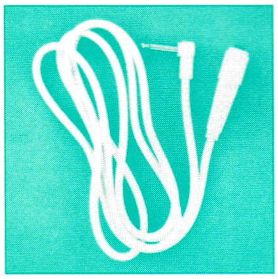
AVSM-103

DUTY STATION (Model VDM-101)

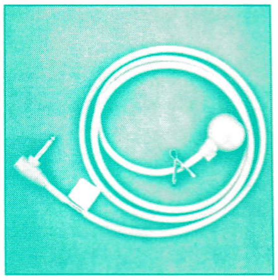
Model VDM-101 is a duty station mounted on a one gang brushed stainless steel plate. Unit includes a green LED for normal call indication and a red LED for emergency call condition. An integral IC tone generator with piezo signalling device provides audible signal indication. A two position HI-LO audible signal level switch is included. Male and female quick connect plugs are provided. Silkscreened nomenclature includes "CALL", "EMERGENCY", "HI" and "LO".



VDM-101



CS-6



OS-6

CORDSETS (Models CS-6 and OS-6)

Models CS-6 and OS-6 are call-in cordsets for pushswitch and oxygen tent application respectively. Both models include a 6 ft. cord with integral ¼″ phone plug for use with all Soundolier bedside stations.

VL-1, -2, -3

CORRIDOR LIGHTS (Models VL-1, VL-2, VL-3)

Models VL-1, VL-2 and VL-3 are one, two and three light corridor lamp assemblies. Units are mounted to a one gang brushed stainless steel plate. Incandescent lamps are employed to provide the brightest possible corridor visual signalling. Multiple lamp units may be used to provide separate visual indication of normal and emergency calls. A translucent white plastic lens conveniently snaps onto the wall plate. Pigtail leads (6″ long) are provided for termination. Optional red filters for lamp bulbs are available (order part number LNS-1R).

VZ-2

ZONE LIGHT (Model VZ-2)

Model VZ-2 is a zone lamp assembly. Unit consists of two lights terminated on printed circuit board. White translucent plastic lens easily snaps onto one gang brushed stainless steel plate. Quick connect plugs with pigtail leads are provided: Optional red filters for lamp bulbs are available (order part number LNS-1R).

Soundolier's Audio Visual Call Systems are guaranteed for one year after date of purchase against defects in components and workmanship. The system is manufactured in the United States in our own electronics plant. US made quality backed by solid Soundolier support; an unbeatable combination.

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Serving your commercial communications needs.

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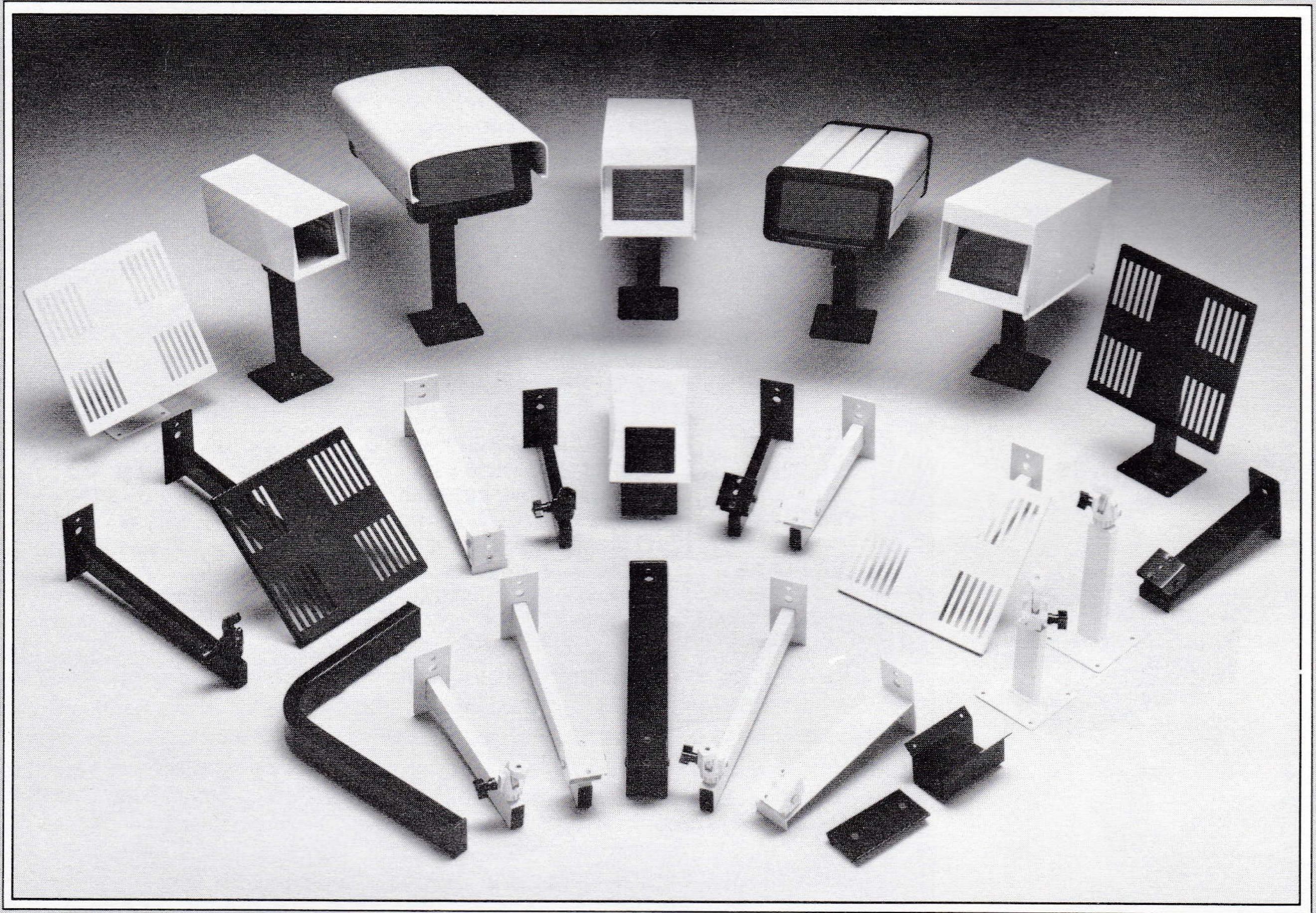
CCTV CAMERA HOUSINGS, MOUNTS AND ACCESSORIES



FEATURES

- Extensive Selection of Camera Housings, Mounting Equipment and Accessories for CCTV and Video Requirements
- Recommended for Cost Effective Installation and Long-Lasting Service
- Modern Designs Provide Aesthetically Pleasing Appearance
- Weather Resistant for Indoor and Outdoor Applications

GENERAL DESCRIPTION

Protect vital security and surveillance equipment from environmental hazards including rain, dust and sunlight with Atlas/Soundolier CCTV camera enclosures and installation accessories. The aesthetically pleasing, cost efficient indoor and outdoor housings will accommodate solid state, tube and fixed focal lens cameras used to monitor activity in lobbies, hallways, rooms, parking and leisure areas of commercial, institutional, manufacturing and recreational facilities. Use the versatile mounts and adaptors to efficiently position cameras for crowd control, security, medical, research, broadcast, robotic or vehicular applications in financial institutions, government buildings, hospitals, factories, department and convenience stores, detention centers, schools and sports complexes. Atlas/Soundolier CCTV enclosures and installation equipment include weatherproof ceiling and indoor housings, wall, ceiling and pedestal style camera and monitor mounts; pole and corner adaptors, sunshields, cooling and heating accessories. The low maintenance enclosures and components are constructed of durable plastic or 16 ga. CRS. All steel components are finished in environment resistant, high solids, baked polyester enamel to reduce adverse ambient effects of corrosion and maintain original appearance.

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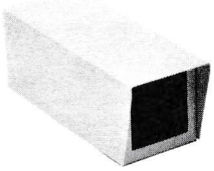
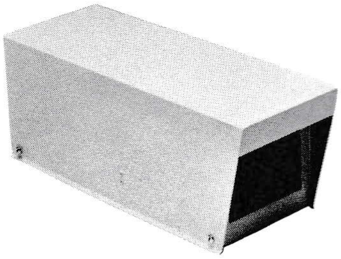
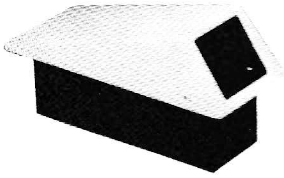


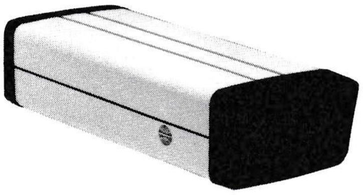
TVE-C9-BE



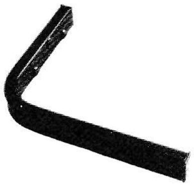
TVE-E14(19)-BE



TVE-S9



TVE-PE15(20)



TVRK-PE15(20)

ENCLOSURES FOR SOLID STATE AND TUBE TYPE CAMERAS

TVE-C9-BE. Nine inch (9") mini enclosure will protect sensitive camera equipment from dust and other indoor environmental hazards. Unit fits small solid state cameras and includes a 5" front to rear camera slide adjustment for optimum camera positioning. Housing features a 1/8" plexiglass viewing window (2-7/8"H x 2-7/8"W) and a unique slotted cover for convenient installation/service. Cable entry is provided in rear by two 3/8" dia. holes protected by rubber grommets. Enclosure base is 18 ga. CRS and cover is 16 ga. CRS. Finish is beige (BE) environment resistant, high solids, polyester enamel and includes corrosion resistant hardware.

TVE-E14(19)-BE. Maximum protection for 2/3" solid state and tube type cameras exposed to temperature extremes and environmental elements is provided with gasketed 14" and 19" enclosures. Units include a 3-1/4" front to rear adjustable camera slide mount, a 1/8" plexiglass viewing window (size: 3-1/4"H x 4-1/2"W) and a hinged cover to provide convenient lift-up access. Cable entry is 1" dia. access sealed and protected by molded rubber bellows. Enclosure base is 16 ga. CRS and cover is .060 aluminum. Finish is beige (BE) environment resistant, high solids, baked polyester enamel and includes corrosion resistant hardware.

MODEL	INSIDE DIMENSIONS	OUTSIDE DIMENSIONS
TVE-C9-BE	3-7/8"H x 3-7/8"W x 9"L (98 cm x 98 cm x 229 cm)	4"H x 4"W x 10-1/2" (267 cm x 102 cm x 102 cm)
TVE-E14-BE	4-11/16"H x 5-1/4"W x 9-1/4"L (119 cm x 133 cm x 235 cm)	6-1/16"H x 5-1/2"W x 15-7/8"L (168 cm 140 cm x 403 cm)
TVE-E19-BE	4-11/16"H x 5-1/4"W x 14-1/4"L (119 cm x 133 cm x 362 cm)	6-1/16"H x 5-1/2"W x 20-7/8"L (168 cm x 140 cm x 530 cm)

TVE-S9. Low profile ceiling camera enclosure for small solid state cameras will complement any business or office decor. Tamperproof sloped design includes metal backbox for recessed mounting in fixed or dropped ceilings. Adjustable slide mount and full image (3"H x 2-3/4"W) plexiglass window allow camera to efficiently pan and monitor zone areas. Cable entry is provided in rear through conduit knockouts. Enclosure is constructed of 16 ga. CRS and finished in attractive white enamel.

TVE-PE15 (20). Durable 15" and 20" enclosures are constructed of heavy duty plastic and suitable for outdoor and indoor installations. TVE-PE15 houses 2/3" and 1" cameras with fixed focal lenses. Model TVE-PE20 is deeper to accommodate extra length camera lens systems. Removeable rear cap and slide out platform mount provide easy access to the camera. Anti-theft hardware insures maximum protection of the camera and lens. Cable entry is provided in rear by three 1/2" dia. knockouts. TVE-PE15 and TVE-PE20 are manufactured from environment resistant beige polymer. To facilitate installation in recessed ceilings, plenum rail kits Model TVRK-PE are available.

MODEL	BACKBOX DIMENSIONS	OUTSIDE DIMENSIONS
TVE-S9	4-1/4"H x 3-1/4"W x 9"L (108 cm x 83 cm x 229 cm)	2-7/8"H x 4-3/4"W x 11-1/4"L (73 cm x 121 cm x 286 cm)

	INSIDE DIMENSIONS	OUTSIDE DIMENSIONS
TVE-PE15	3-5/16"H x 6"W x 14-1/2"L (84 cm x 152 cm x 368 cm)	4-1/2"H x 7-1/2"W x 18-1/2L (102 cm x 191 cm x 470 cm)
TVE-PE20	3-5/16"H x 6"W x 18-1/2"L (84 cm x 152 cm x 470 cm)	4-1/2"H x 7-1/2"W x 22-1/2"L) (102 cm x 191 cm x 572 cm)

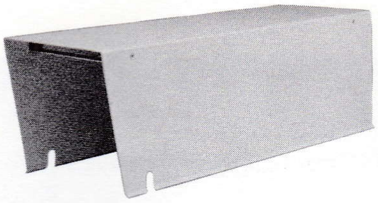
TVRK-PE15(20)	Plenum Rail Kit	Mounts TVCM-PE Ceiling Adaptor

ATLAS soundolier

SUNSHIELDS FOR CAMERA HOUSINGS

Protect sensitive camera equipment from direct sunlight with environment resistant sunshields.
Models TVSS-14(19). Constructed of .060 aluminum with clear anodized finish.
Models TVSS-PE15(20). Manufactured of beige polymer.

MODEL	DESCRIPTION	MOUNTS
TVSS-14	Sunshield	TVE-E14-BE
TVSS-19	Sunshield	TVE-E19-BE
TVSS-PE15	Sunshield	TVE-PE15
TVSS-PE20	Sunshield	TVE-PE20


TVSS-14(19)

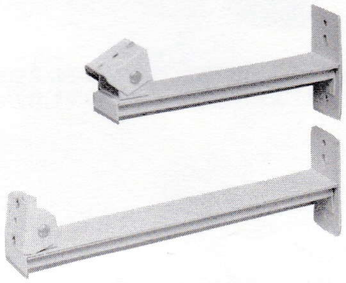
TVSS-PE15(20)

COOLING AND HEATING ACCESSORIES FOR CAMERA HOUSINGS

TVBK/TVBK-PE. Prevent camera damage caused by excessive heat through thermostatically controlled 120 volt AC, 21 CFM fan kit. Assembly designed to mount within environmental enclosures.

TVHK/TVHK-PE. Heat and dehumidify camera equipment installed in cold environments with a thermostatically controlled 120 volt AC, 60 watt heater kit.

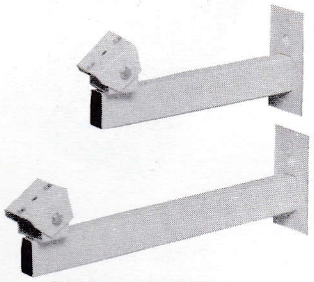
MODEL	DESCRIPTION	MOUNTS
TVBK	Fan Kit	TVE-E14BE(BK), TVE-E19BE(BK)
TVHK	Heater Kit	TVE-E14BE(BK), TVE-E19BE(BK)
TVBK-PE	Fan Kit	TVE-PE15(20)
TVHK-PE	Heater Kit	TVE-PE15(20)


TVM-10-BE(BK)
TVM-14-BE(BK)

WALL & CEILING MOUNTS/ADAPTORS FOR CAMERAS AND ENCLOSURES

TVM-10-BE(BK)/TVM-14-BE(BK). Utilize 10" and 14" wall mounting accessories for supporting CCTV cameras and enclosures weighing up to 20 lbs. Recommended for indoor and outdoor applications featuring a pan-tilt head with three mounting holes which accommodate standard equipment. Mounts are 16 ga. CRS spot welded to an 11 ga. CRS base. Finished in beige (BE) or black (BK).

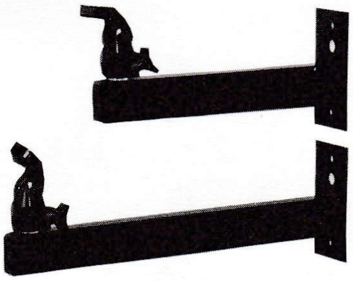
TVMT-10-BE(BK)/TVMT-14-BE(BK). Support heavy cameras and enclosures on 10" and 14" long ruggedly constructed rectangular tube mounts. Suitable for indoor and outdoor use, these attractive units have pan tilt head with three mounting holes and are manufactured of 16 ga. CRS and spot welded to an 11 ga. CRS base. Finished in beige (BE) or black (BK).


TVMT-10-BE(BK)
TVMT-14-BE(BK)

TVMT-10S-BE(BK)/TVMT-14S-BE(BK). Durable 10" and 14" wall mounting accessories feature a one-bolt adjustable ball swivel head camera mount supported by sturdy 16 ga. CRS rectangular tubing. TVMT models will support up to 40 lbs. and are recommended for indoor and outdoor use. TVMT models and hardware are finished in beige (BE) or black (BK).

TVM-PE. Adapts wall mounts for attaching TVE-PE15(20) to poles.

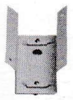
TVCM-PE. Attaches to top of TVE-PE15(20) for horizontal and vertical positioning.


TVMT-10S-BE(BK)
TVMT-14S-BE(BK)

MODEL	MOUNT STYLE	LENGTH	MAX. LOAD	PAN ADJUSTMENT	TILT ADJUSTMENT
TVM-10-BE(BK)	Pan-Tilt	10"	20 lbs.	360°	180°
TVM-14-BE(BK)	Pan-Tilt	14"	20 lbs.	360°	180°
TVMT-10-BE(BK)	Pan-Tilt	10"	40 lbs.	360°	180°
TVMT-14-BE(BK)	Pan-Tilt	14"	40 lbs.	360°	180°
TVMT-10S-BE(BK)	Swivel	10"	40 lbs.	360°	180°
TVMT-14S-BE(BK)	Swivel	14"	40 lbs.	360°	180°
TVM-PE15(20)	Wall Mount Adaptor				TVE-PE15(20)
TVCM-PE15(20)	Ceiling Mount Adaptor				TVE-PE15(20)

ATLAS soundolier®

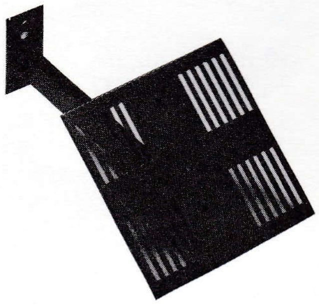
TVPM-BE(BK)



TVCM-BE(BK)

TVMV-5-BE(BK)
TVMV-8-BE(BK)

TVMV-5S-BE(BK)
TVMV-8S-BE(BK)



TVMM-10-BE(BK)
TVMM-14-BE(BK)

TVMM-5-BE(BK)
TVMM-8-BE(BK)

ADAPTORS FOR POLE AND CORNER MOUNTING OF CAMERAS AND HOUSINGS

TVPM-BE(BK)/TVCM-BE(BK). Maximize functional mounting capabilities of enclosures with indoor/outdoor pole and corner adaptors. TVPM-BE(BK) and TVCM-BE(BK) are constructed of 16 ga. CRS and finished with beige (BE) or black (BK). TVPM-PE is constructed of CRS and finished in black.

MODEL	DESCRIPTION	MOUNTS
TVPM-BE(BK)	Pole Mount Adaptor	TVM-10BE(BK),TVM-14-BE(BK),
TVCM-BE(BK)	Corner Mount Adaptor	TVMT-10-BE(BK), TVMT-14-BE(BK)
TVPM-PE	Pole Mount Adaptor	TVE-15(20)

PEDESTAL MOUNTS FOR CAMERAS AND HOUSINGS WITH PAN-TILT AND ADJUSTABLE SWIVEL HEAD

TVMV-5-BE(BK)/TVMV-8-BE(BK). Vertical pedestal mounts with pan-tilt head are designed to facilitate installation of large cameras, scanners and housings to indoor and outdoor walls, ceilings and shelves. Pan-tilt head is equipped with three mounting holes to accommodate most cameras and enclosures. Constructed of 16 ga. CRS with beige (BE) or black (BK) finish.

TVMV-5S-BE(BK)/TVMV-8S-BE(BK). Vertical pedestal mounts with swivel head are designed for supporting cameras, scanners and housings weighing up to 40 lbs. Models are offered in 5" and 8" lengths and feature 16 ga. rectangular tube construction and one-bolt adjustable ball swivel head camera mount. Suitable for indoor and outdoor applications, choose beige (BE) or black (BK) finish.

MODEL	MOUNT STYLE	LENGTH	MAX. LOAD	PAN ADJUSTMENT	TILT ADJUSTMENT
TVMV-5-BE(BK)	Pan-Tilt	5"	40 lbs.	360°	180°
TVMV-8-BE(BK)	Pan-Tilt	8"	40 lbs.	360°	180°
TVMV-5S-BE(BK)	Swivel	5"	40 lbs.	360°	180°
TVMV-8S-BE(BK)	Swivel	8"	40 lbs.	360°	180°

WALL AND PEDESTAL CCTV MONITOR MOUNTS WITH PAN-TILT MONITOR PLATE

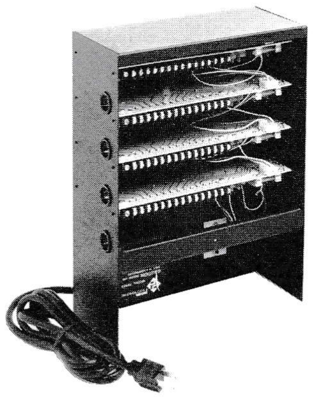
TVMM-10-BE(BK)/TVMM-14-BE(BK). Pedestal style monitor mounts features 9-1/2" SQ. slotted mounting surface for accepting virtually any type of camera or housing. Monitor plate with pan-tilt head is secured to the side of a 16 ga. rectangular tube mount designed for vertical surface or wall installation. Narrow profile base is welded 11 ga. CRS and configured for standard 2 hole mounting. Ten inch (10") and 14" long monitor mounts are available in choice of beige (BE) and black (BK) finish.

TVMM-5-BE(BK)/TVMM-8-BE(BK). Pedestal monitor mounts with 180°tilt adjustment are ideal for ceiling and shelf installations. Nine and one-half inch (9-1/2") SQ. plate is punched with narrow slots to accept a variety of monitors and cameras. Plate is secured to the end of a 16 ga. rectangular tube mount with pan-tilt head. Five inch (5") and 8" long units are welded to an 11 ga. CRS pedestal base configured for 4 hole mounting. Applicable for indoor and outdoor use, select beige (BE) or black (BK) finish.

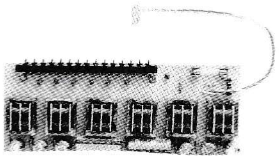
MODEL	LENGTH	MAX. LOAD	PAN ADJUSTMENT	TILT ADJUSTMENT
TVMM-10-BE(BK)	10"	40 lbs.	360°	85°
TVMM-14-BE(BK)	14"	40 lbs.	360°	85°
TVMM-5-BE(BK)	5"	40 lbs.	360°	180°
TVMM-8-BE(BK)	8"	40 lbs.	360°	180°

VISIKOM TELEPHONE VISITATION SYSTEM

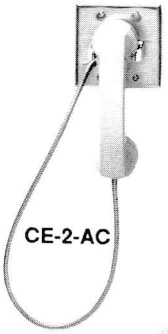
PVP-24
PVP-6



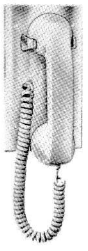
PVP-24 with four PVP-6 installed



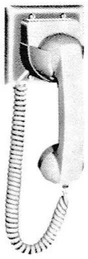
PVP-6



CE-2-AC

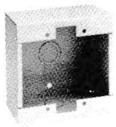


CE-4

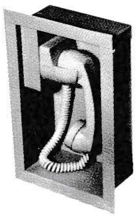


WE-2

DP-1



TS302



WE-O
installed in TRC-1

FEATURES

- Conversational Privacy With Clear Audibility
- Up to 24 Independent and Simultaneous Conversations
- Selection of Telephone Styles and Accessories Meet Functional Requirements
- Expansion Convenience of Plug-in Interface Modules
- Complete System Includes Built-In Power Supply and Crosstalk Filter Circuitry

APPLICATIONS

Modular telephone intercommunication system provides up to 24 paired conversation paths between handset stations for use where protective physical separation between communicating individuals must be maintained. Typical applications include visitation areas of detention, correctional and penitentiary facilities as well as commercial applications such as customer telephones. Versatile system can parallel more than one handset station on the visitor side of each communication link to accommodate multiple guests (additional family members, attorneys, etc.). Optional activation control and usage-monitoring can also be added via a switch turret with annunciator lights for administrative staff or guard supervision.

GENERAL DESCRIPTION

The Atlas/Soundolier Visikom System accommodates up to 24 independent telephone conversations of two or more telephone stations each. The unique filter circuitry employed assures absolute privacy and freedom from crosstalk. Plug-in design provides simple installation, servicing and expansion capability. Easy to install system is comprised of Model PVP-24 control unit, Model PVP-6 plug-in interface modules and selection of handset hookswitch assemblies. Compact control unit includes integral power supply, four 3/4" cable access holes and ports for installation of up to four PVP-6 modules. Each plug-in module will activate up to six isolated telephone lines for a total system capacity of 24 lines. Model PVP-24 control unit is designed for surface installation via keyhole mounting slots. Chassis and lift-off cover are constructed of 18 gauge CRS and finished in textured black enamel. System uses standard telephone stations with two form "C" (DPDT) hookswitch. Styles listed include beige handset, choice of mounting configuration, hanger and cable style. Wiring requirements are two-conductor, telephone type.

MODEL	DESCRIPTION	POWER REQ.	POWER OUTPUT	CAPACITY	DIMENSIONS (W x H x D)
PVP-24	24-Line Control Unit	117 VAC	8 VAC @ 2 Amps	Four PVP-6	9-1/2" x 13" x 4-1/2" (241 x 330 x 114mm)

MODEL	DESCRIPTION	POWER INPUT	OUTPUT
PVP-6	Plug-in Interface Module	8 VAC	Six Isolated Phone Lines

MODEL	MOUNTS		HANDSET	HANGER TYPE	CORD TYPE
	E.O. BOX	ENCLOSURE*			
CE-2-AC	2 gang	TS302	500 Style	Chrome Hanger	Armored Cable
CE-4-AC	4 gang	TS304			
CE-2	2 gang	TS302			Coiled Cord
CE-4	4 gang	TS304			
WE-2	2 gang	TS302		Thermoplastic Cradle Cup	
WE-4	4 gang	TS304			
WE-0	(TRE)(TRC)TSE-1Encl. Only				
DP-1	Desk		2500 Style	Desk Style	

*Optional configuration except for Model WE-O. TS Series are surface. TR Series are recessed.

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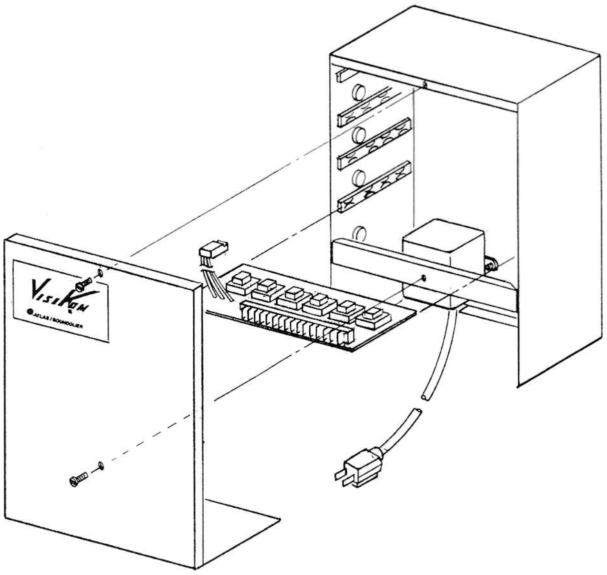
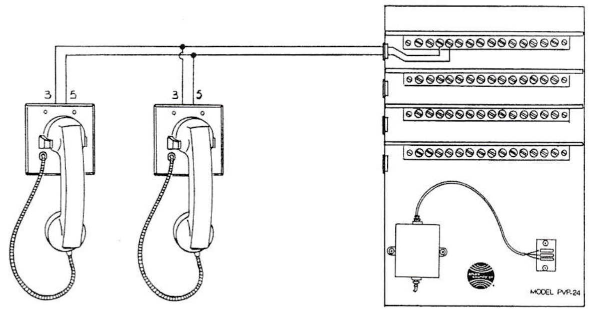
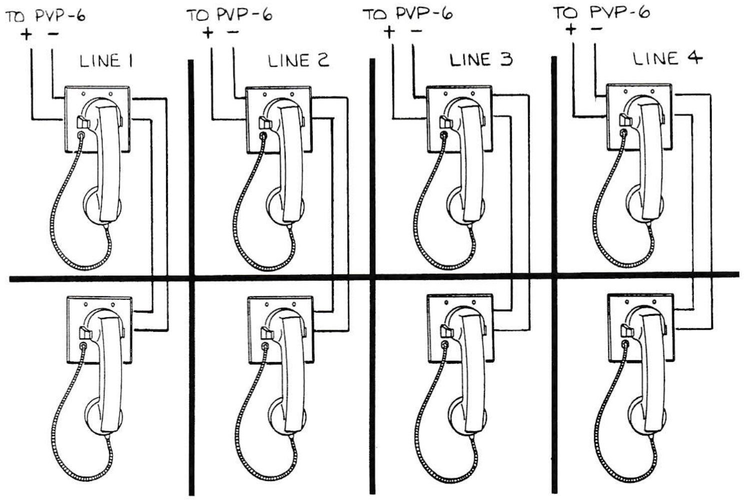
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The telephone visitation system shall be Atlas/Soundolier Visikom system or approved equal. Control unit (Model PVP-24 or approved equal) shall be self contained and include power supply and provisions to accept up to 24 independent telephone intercom lines. Filter circuitry shall eliminate crosstalk interference and shall be on plug-in modules (Model PVP-6 or approved equal). System shall operate on 117 VAC at 50-60Hz and shall be compatible with standard DPDT handset/hookswitch assemblies (Model Series CE, WE, DP or approved equal).







TYPICAL VISITATION LAYOUT

TELEPHONE STATIONS:	Model Series CE, WE, DP or equivalent
TERMINATION:	Connect telephone line to terminals 3(+) and 5(-)
NOTE:	More than two telephone stations may be used per line

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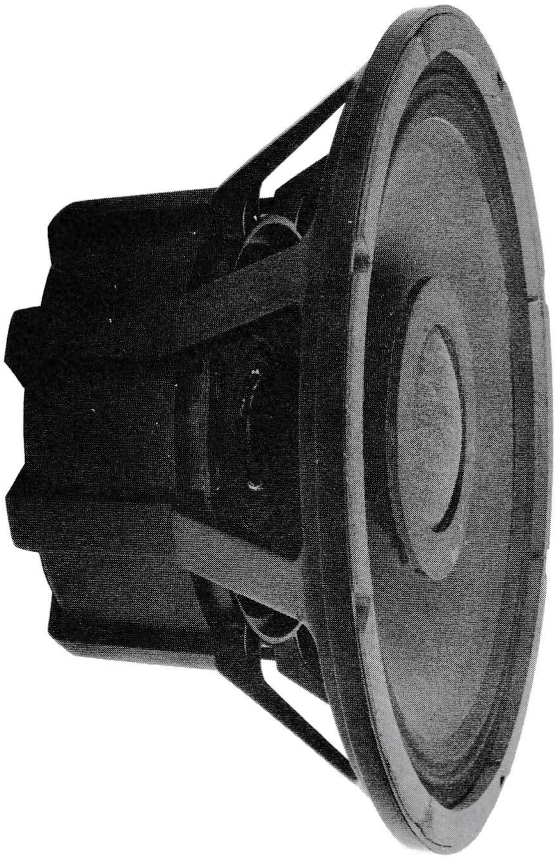
12" PROFESSIONAL QUALITY LOUDSPEAKER

C12A



FEATURES

- Professional Quality Sound Reproduction at a Competitive Price
- 65 Watt Power Handling Capacity
- Coaxial Loudspeaker with 12" Diameter Low Frequency and 4" Diameter High Frequency Reproducers
- Unique Transformer Mounting Bracket for Distributed Applications

APPLICATIONS

Enhance audio quality and listener appreciation of engineered sound systems with the superior sound reproduction and power handling capacity of Model C12A. Professional quality 12" coaxial loudspeaker is ideal for application in restaurants, night clubs, lounges, theaters, airports, waiting rooms, shopping malls and houses of worship.

GENERAL DESCRIPTION

Atlas/Soundolier Model C12A is a professional quality coaxial loudspeaker for use where full range music and voice reproduction are desired. The competitively priced unit assures smooth frequency response in a high power handling mode. For best results, enclosures with a volume of 3 cu. ft. (including Atlas/Soundolier Models Q4612 and QF612) are recommended. Additional Q Series enclosure models with a volume up to 6 cu. ft. will satisfy requirements with different low frequency emphasis. The loudspeaker will also provide outstanding performance when front or rear mounted in vented or sealed enclosures. Unique transformer mounting bracket is included with each unit for convenient mounting of high quality transformers Models HT-87, HT-82, HT167 and HT327 (order separately). Amplifier output wiring connections to the loudspeaker are by screw terminals. Loudspeaker weight is 9 lbs. 5 oz.

C12A LOUDSPEAKER SPECIFICATIONS

LOW FREQ. REPRODUCER	HIGH FREQ. REPRODUCER	MAGNET	VOICE COIL DIAMETER	FREQ. RESPONSE	IMPEDANCE	POWER RATING
12" (305mm)	4" (102mm)	32 Oz. Ceramic	1-1/2" (38mm)	50 Hz- 19 KHz	8 Ohms	65 Watts

THIELE - SMALL DRIVER PARAMETERS

FREE AIR RESONANCE f_s	MECHANICAL RESONANCE Q_{ms}	ELECTRICAL RESONANCE Q_{es}	TOTAL Q OF Q_f Q_{ts}	VOLUME OF AIR V_{as}	HALF SPACE REFERENCE η_o.	PEAK LINEAR EXCURSION X_{max}
32 Hz	1.59	.419	.332	.751	.158	.1875 In.

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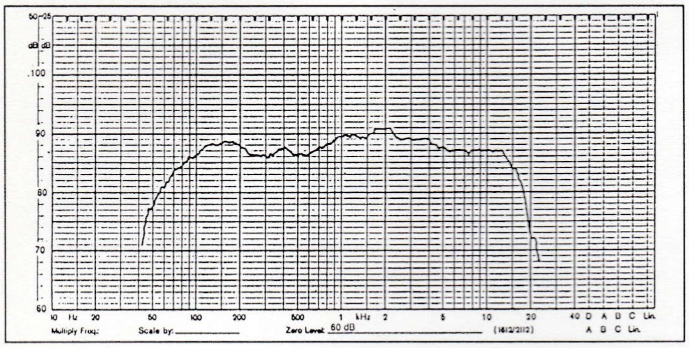
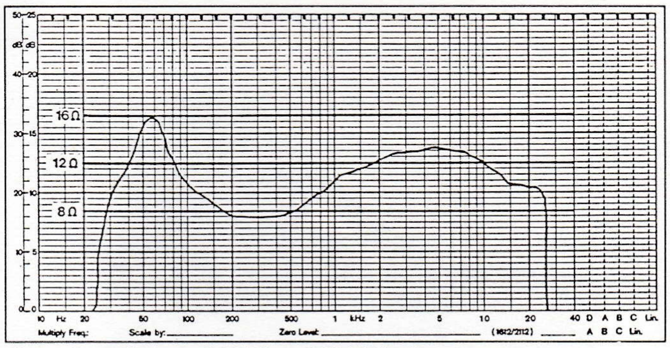
ARCHITECTS' AND ENGINEER SPECIFICATIONS

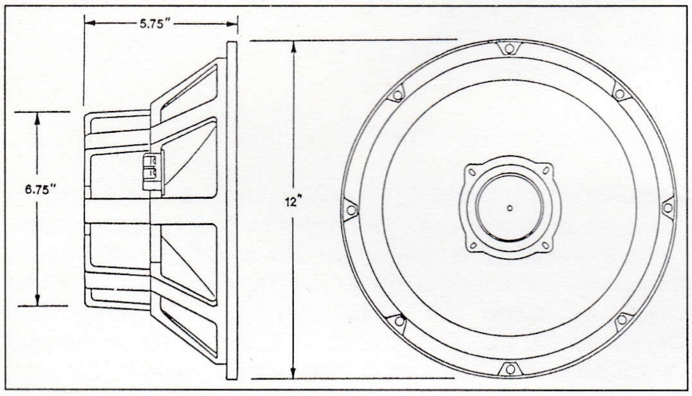
The loudspeaker shall be 12" diameter, coaxial Atlas/Soundolier Model C12A or approved equal. Each unit shall consist of a high performance 12" low frequency and 4" piezo high frequency driver. Power rating shall be 65 watts with a frequency range of 50 Hz-19 KHz. Impedance shall be 8 ohms. Magnet shall be a 32 oz. ceramic unit and the voice coil diameter shall be 1-1/2" (38mm). Basket shall be made of cast metal. Loudspeaker shall be capable of front and rear mounting in sealed or vented enclosures and weigh 9 lbs. 5 oz.

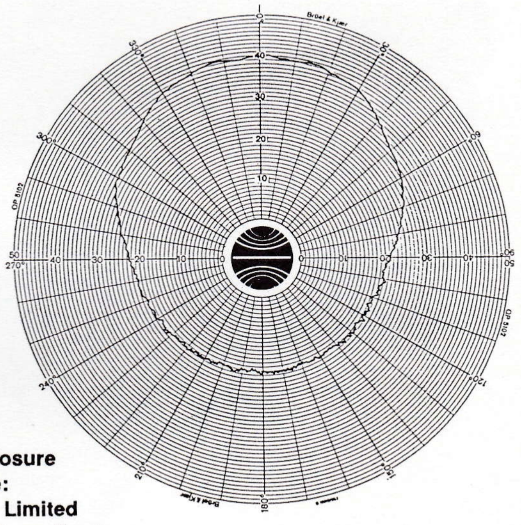


Sound Pressure Level: Model C12A in Q4612 Enclosure
Signal Source: 1/3 Octave Pink Noise
Power: 1 Watt Sensitivity: 87 dB
Power: 65 Watts Sensitivity: 105 dB
Mic Distance: 10 Ft.

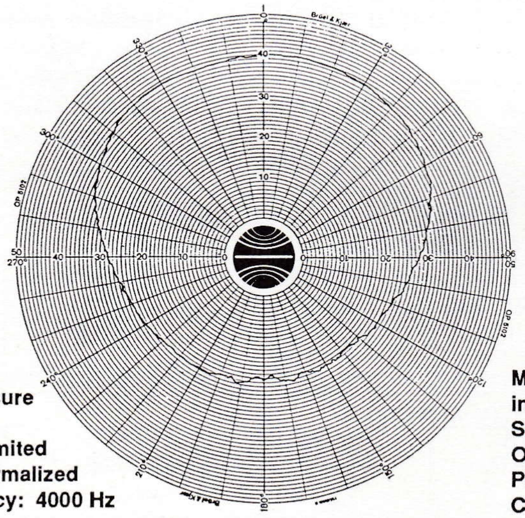


Input Impedance: C12A in a Q4612 Enclosure

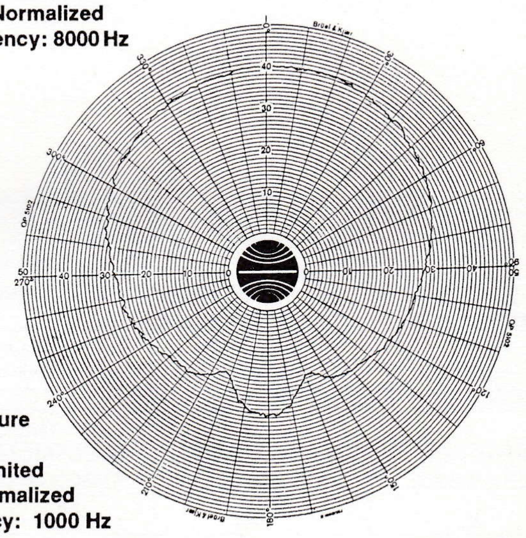




Model C12A
in Q4612 Enclosure
Signal Source:
Octave Band: Limited
Pink Noise - Normalized
Center Frequency: 8000 Hz



Model C12A
in Q4612 Enclosure
Signal Source:
Octave Band Limited
Pink Noise - Normalized
Center Frequency: 4000 Hz



Model C12A
in Q4612 Enclosure
Signal Source:
Octave Band Limited
Pink Noise - Normalized
Center Frequency: 1000 Hz

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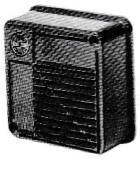
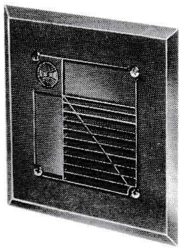
ATLAS / SOUNDOLIER

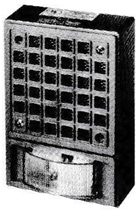
SECURITY, AUDIO EVACUATION
AND SIGNAL PRODUCTS

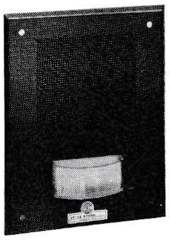
GENERAL DESCRIPTION

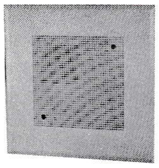
Atlas/Soundolier protective communication products are prime elements of audio evacuation, life safety and signal systems which help to preserve life and property. Specifically designed units meet or exceed the performance requirements for loudspeakers, control unit accessories and enclosures for fire protective signalling systems, audible and visual signal appliances as established by Underwriters Laboratories (U.S. and Canada), NFPA, California State Fire Marshal, the New York Bureau of Standards and Appeals and the building codes of U.B.C., B.O.C.A., and S.B.C. Exact listings on individual products may be obtained from Atlas/Soundolier.

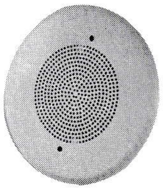

VT Series

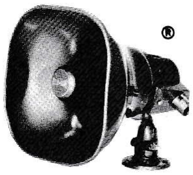

VTF Series

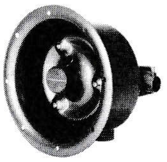

VTL Series


VTFL Series


QVT Series


RVT Series


AP-15TUC


APF-15TUC

VOICE/TONE, VOICE/TONE/STROBE COMPRESSION DRIVER ASSEMBLIES

Penetrating sound reproduction and minimum overall size recommend the patented Voice/Tone loudspeaker and loudspeaker strobe assemblies for indoor/outdoor highrise and multiple occupancy buildings such as hotels, motels, government facilities, offices, manufacturing, transportation terminals, banks and schools. Efficient units include compression driver with re-entrant horn, supervisory capacitor and choice of 25 or 70.7 volt transformer with 1/4 to 15 watt power taps. Strobe equipped models (VTL, VTFL) have a candela rating of 2.0 and are ideal for application where the functional advantages of dual mode signalling are desirable for maximum public safety and owner liability. Models are offered in flush, surface and recessed wall or ceiling versions. *Listed under UL Standard 1480*

MODEL		POWER TAPS (WATTS)	FREQ. RESPONSE	SOUND LEVEL*	DISPERSION	IMPED.
SERIES	NUMBER					
VT(F)	-158U	15	400 Hz- 4 KHz	102 dB	150^0	8 Ohms
VT(F)	-157U	15, 8, 4, 2		102 dB		**
VT(F), VT(F)L, QVT, RVT	-157UC	15, 8, 4, 2		102 dB		**
VT(F), VT(F)L, QVT, RVT	-152UC	15, 8, 4, 2		102 dB		***
VT(F), VT(F)L, QVT, RVT	-27UC	2, 1		93 dB		**
VT(F)	-22UC	2, 1		93 dB		***
VT(F), VT(F)L, QVT, RVT	-17UC	1, 1/2, 1/4		90 dB		**

*Measured 10' on axis @ rated power **Built-in 70.7 Volt Xfmr ***Built-in 25 Volt Xfmr

VTL, VTFL STROBE SPECIFICATIONS						
PEAK CANDLEPOWER	FLASH RATE	INPUT VOLTAGE	INPUT CURRENT	LENS	POLARITY PROTECTION	TYPE
15,000	1-3 per/sec.	24 VDC	30-35 mA	Curved Fresnel	Input Diodes	Xenon

HIGH POWER EMERGENCY SIGNALLING LOUDSPEAKERS

When high sound pressure levels and wide area distribution are prime service requirements for indoor and outdoor application, specify the world performance standard AP-15TU(C)^R and the APF-15TU(C). Surface and flange mounting units respectively, deliver instructional commands with high intelligibility and authoritative power for emergency evacuation and life safety communications. Reliable compression driver assemblies are water, humidity, vermin proof and will operate within temperature environments ranging from 66^{0}C(115^{0}F) to -35^{0}C(-30^{0}F). Models are available with 25 or 70.7 volt transformer, 5 mfd line supervisory capacitor and vandal-resistant connector. *Listed under UL Standard 1480*

MODEL	POWER TAPS(WATTS)	FREQUENCY RESPONSE	SOUND LEVEL*	DISPERSION	TRANSFORMER
AP-15TU(C)	15, 7.5, 3.8, 1.8, .9	275Hz- 14KHz	121 dB	110^0	70.7V
APF-15TU(C)	15, 7.5, 1.8, .94, .48			180^0	25V

*Measured 4' on axis @ rated power

ATLAS / SOUNDOLIER DIVISION OF AMERICAN TRADING AND PRODUCTION CORPORATION
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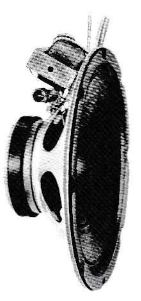
Specifications subject to change without notice

MEDIUM POWER 4" AND 8" EMERGENCY SIGNALLING LOUDSPEAKERS

Architecturally pleasing ceiling loudspeaker/baffle assemblies provide unobtrusive appearance of life safety and emergency signalling loudspeakers. Cost effective selection includes 4" and 8" diameter models with fire retardant/moistureproof cone, 25 or 70.7 volt transformer and selection of baffle styles. Eight-inch (8") diameter assemblies are offered with choice of single voice coil (UHT), dual voice coil (UKT) or single voice coil with strobe (SUH). Dual voice coil model allows simultaneous application of loudspeaker for alarm/emergency functions and background music/paging. Eight-inch (8") strobe equipped model combines high quality tone and audio reproduction with visual reinforcement for use where ambient noise is excessive or where building occupants are hearing impaired. Four-inch (4") and 8" models provide line supervision and are available in a variety of recessed and surface mounting configurations for installation to UL approved enclosures (order separately) or standard E.O. Boxes. *Listed under UL Standard 1480*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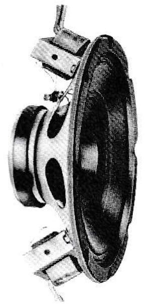
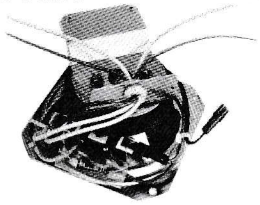

UKT Series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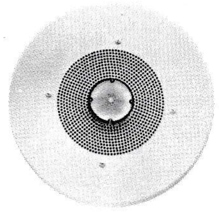
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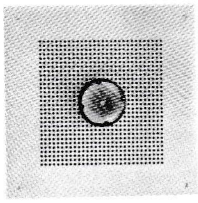
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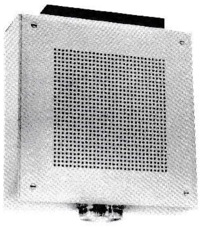
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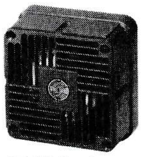
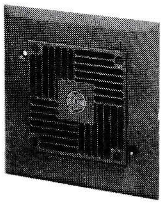

SVT Series


SVTF Series

LOUDSPEAKER SPECIFICATIONS

MODEL	SIZE	MAGNET	FREQUENCY RESPONSE	POWER RATING(RMS)	IMPEDANCE	FLUX DENSITY	SENSITIVITY*
UHT	8" (203mm)	10 Oz. (283g.)	50 Hz-15KHz	12 Watts	8 Ohms	10,000 gauss	95 dB
SUH							
UKT	8" (203mm)	10 Oz. (283g.)	70 Hz-10KHz	9 Watts	8 Ohms Ea. Voice Coil	10,000 gauss	92 dB
UAT	4" (102mm)	5 Oz. (142g.)	400 Hz-4 KHz	5 Watts	8 Ohms		85 dB
UATM							

* 10' @ 2 Watts

TRANSFORMER SPECIFICATIONS

MOUNTS	PRIMARY TAPS	SECONDARY	INSERTION LOSS	CORE SIZE	D.C. BLOCKING CAPACITOR [UHT, SUH, UAT(M)]
UHT, UKT	1/2, 1, 2 & 5 Watts	8 Ohms	1.2 dB	5/8" x 5/8" (16 x 16mm)	10 mfd @ 50V*. 4 mfd @ 150V**
SUH					
UAT	1/4 & 1/2 , 1/2 & 1 or 2 & 4 Watt	8 Ohms	Less than 1 dB	3/8" x 3/8" (10 x 10mm)	10 mfd @ 50V* 4 mfd @ 150V**
UATM					

* 25 Volt Xfmr **70.7 Volt Xfmr

SUH SERIES VISUAL SIGNAL ASSEMBLY SPECIFICATIONS

FLASHTUBE TYPE	FLASH RATE	PEAK CANDLEPOWER	INPUT	LENS TYPE	POLARITY PROTECTION
Xenon	1-3 per/sec.	15,000	24 VDC(Polarized) @ 33MA	Round Fresnel, Clear	Input Diode

MEDIUM POWER VOICE/TONE RE-ENTRANT LOUDSPEAKER ASSEMBLIES

Space efficient SVT Series loudspeakers are unique weatherproof voice and tone signalling assemblies which feature a cone loudspeaker with integral re-entrant protective dome built into the housing for optimum output, high intelligibility and environment resistance. The 7-1/2 watt models are suggested for medium sound output in hallways and stairwells of multi-occupancy buildings including general offices, restaurants, banks, service/distribution centers, townhouses, recreational and residential care facilities. Two-watt rated assemblies are recommended for localized sound output coverage in apartments, motel/hotel rooms, hospital suites, elevator cabs, dormitory rooms, executive offices and other standard-sized, low ambient areas. Models install to standard E.O. Boxes and are available with factory mounted line transformer and supervisory capacitor. *Listed under UL Standard 1480*

MODEL	POWER TAPS (WATTS)	FREQUENCY RESPONSE	SOUND LEVEL*	DISPERSION	IMPEDANCE	SENSITIVITY AS MICROPHONE
SVT(F)-78U	7-1/2	400 Hz-4 KHz	97 dB	150⁰	8 Ohms	-29 dBM (1 KHz, 10 Dynes/cm²)
SVT(F)-77U	7-1/2, 4, 2, 1		97 dB		**	
SVT(F)-77UC	7-1/2, 4, 2, 1		97 dB		**	
SVT(F)-72UC	7-1/2, 4, 2, 1		97 dB		***	
SVT(F)-27UC	2, 1, 1/2		91 dB		**	
SVT(F)-22UC	2, 1, 1/2		91 dB		***	

* Measured 10' on axis @ rated power / **Built-in 70.7 Volt Xfmr / ***Built-in 25 Volt Xfmr

ATLAS soundolier®

4" AUDIO / AUDIO VISUAL SIGNALLING LOUDSPEAKER ASSEMBLIES

Alert and authoritatively direct occupants in localized areas with Atlas/Soundolier SAV or L30(31)(32) Series alarm loudspeakers. Five watt assemblies faithfully reproduce electronically amplified voice and tone signals for life safety and fire alarm system use in individual rooms, condominiums, offices, classrooms, stores and private residences. For applications which favor the audible and visual impact of dual mode signalling, SAV Series is equipped with a 10,000 candlepower strobe. All models include high quality 4" diameter, moisture proof cone loudspeaker and choice of 25 or 70.7 volt multi-tap transformer. Assemblies are available in surface, recessed and bi-directional styles. *Listed under UL Standard 1480*

LOUDSPEAKER SPECIFICATIONS						
MODEL	SIZE	MAGNET	FREQUENCY RESPONSE	POWER RATING(RMS)	IMPEDANCE	SENSITIVITY
SAV-2(3) L30(31)(32)	4" (102mm)	5 oz. ceramic	400 Hz- 4 KHz	5 Watts	8 Ohms	85 dB 10', 2 Watts

TRANSFORMER SPECIFICATIONS				
PRIMARY TAPPS	SECONDARY	INSERTION LOSS	CORE SIZE	D.C. BLOCKING CAPACITOR
1/4 & 1/2 , 1/2 & 1 or 2 & 4 Watt	8 Ohms	Less than 1 dB	3/8" x 3/8" (10 x 10mm)	10 mfd @ 50V(25V Xfmr) 4 mfd @ 150V(70.7V Xfmr)

SAV SERIES VISUAL SIGNAL ASSEMBLY SPECIFICATIONS					
FLASHTUBE TYPE	FLASH RATE	PEAK CANDLEPOWER	INPUT	LENS TYPE	POLARITY PROTECTION
Xenon	1-3 per/sec.	15,000	24 VDC(Polarized) @ 33mA	Curved Fresnel, Clear	Input Diode

HORNS, BELLS AND BELL STROBES FOR FIRE AND SECURITY

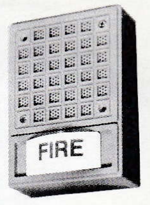
When low operating current and minimum draw are specified requirements for signalling devices in 24 VDC fire and security systems, install Atlas/Soundolier horns, bells and bell strobes. Mechanical horns with strobe accessory provide high sound output with visual reinforcement. Motor driven bells with choice of 6", 8" or 10" diameter gong and 6" gong with strobe produce a clear penetrating ring for emergency warning. Bell/strobe model is ideal for application where efficient dual mode signalling is required for public safety. Audio and audio/visual signalling devices are recommended for fire and emergency warning application in public buildings, educational facilities, hospitals, apartment complexes, office buildings, manufacturing/distribution centers and expanded space areas. Assemblies install to standard E.O. Boxes and are available with optional accessories including weatherproof bell enclosure(MBE-1115), recessed horn backbox(MHB-24) and flush mounting plate(MH-FP). *Listed under UL Standard 464*

MODEL	TYPE	RATED POWER	OPERATING VOLTAGE	dBA
MH-24	Horn	24 VDC @ 50 mA	19.2-26.2 VDC	84 @ 10ft.
MB-624	6" Bell	24 VDC @ 30 mA	12-28.8 VDC	85 @ 10ft.
MB-624S	6" Bell/Strobe	24 VDC @ 60 mA*	19.2-28.8 VDC	81 @ 10ft.
MB1024	10" Bell	24 VDC @ 30 mA	12-28.8 VDC	85 @ 10ft.
MH-12	Horn	12 VDC @ 120 mA	9.6-13.2 VDC	81 @ 10ft.
MB-812	8" Bell	12 VDC @ 100 mA	8-13.2 VDC	95 @ 10ft.
MB-1012	10" Bell	12 VDC @ 100 mA	8-13.2 VDC	95 @ 10ft.

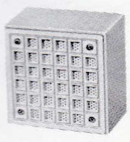
*Rated current is 30 mA each for Model MB-624S Bell and Strobe

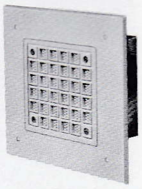
STROBE ADD-ON FOR MH-24					
MODEL	FLASH TYPE	FLASH RATE	PEAK CANDLEPOWER	INPUT VOLTAGE	POLARITY PROTECTION
HS-24	Xenon	50-70 per/min.	10,000	24 VDC @ 30 mA	Input Diode

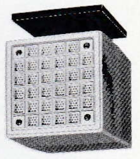
SAV-2 Series



SAV-3 Series


L30 Series


L31 Series


L32 Series

MH-12/MH-24

HS-24

MB-624

MB-624S

MB-1024
MB-1012

ATLAS / SOUNDOLIER DIVISION OF AMERICAN TRADING AND PRODUCTION CORPORATION

PIEZO AND PIEZO/STROBE ANNUNCIATORS

Audio and audio/visual communication devices deliver the unmistakable audio impact of a solid state piezo electric signal transducer for emergency signalling and call annunciation with telephone and intercommunication equipment. General purpose and designer styled annunciators are available with 15,000 candlepower xenon strobe mounted to a standard stainless steel plate, CRS perforated grille or molded plastice surface enclosure. *Listed under UL Standard 464*

MODEL	INPUT VOLTAGE	CURRENT DRAW	SOUND OUTPUT	POLARITY PROTECTION
PZ-11	24 VDC	20 mA	95 dBA (4KHz @ 1M)	Input Diode

MODEL	FLASH RATE	PEAK CANDLEPOWER	INPUT VOLTAGE	CURRENT DRAW	POLARITY PROTECTION
PZST-13	1-3 per/sec.	15,000	24 VDC	52-55 mA	Input Diode
PZST-3					
PZRST-3					
E-3	Recessed Enclosure for Model PZRST-3				

VISUAL SIGNAL DEVICES

Cost effective visual annunciators are ideal for application where silent communication and effective light signals are preferred including hospitals, extended care centers, professional offices, laboratories, schools, apartments, libraries and recording studios. General purpose two and three gang assemblies include polarity protected xenon strobe mounted to a stainless steel plate with round fresnel lens in clear or red, curved clear fresnel lens or polycarbonate lens plate with nomenclature "Emergency use the exit stairs". Assemblies are configured to meet a variety of mounting requirements including installation to standard junction and E.O. boxes and to Model E-12 surface enclosure. All models have a candela rating of 2.0 and are *Listed under UL Standard 1638*

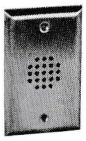
MODEL	FLASH RATE	PEAK CANDLEPOWER	INPUT VOLTAGE/ CURRENT	LENS COLOR	LENS TYPE
SV22-2, SV42-2	1-3 per/sec.	15,000	24 VDC @ 33 mA	Clear	Curved Fresnel
SV33-2					
EWL-1				Polycarbonate	
ST-12, ST-124		15,000	12 VDC @ 32-35 mA	Clear	Round Fresnel
ST-12R, ST-124R		4,000		Red	

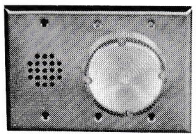
EMERGENCY TELEPHONE COMMUNICATIONS SYSTEM

System provides emergency personnel and building authorities with dedicated two way communications and signalling between a master control panel and any number of remote telephone stations located throughout a building or zone. System is an essential adjunct requirement for the optimum protection of life and property when operational limitations such as shielding within a building or lack of communications channels preclude the use of standard radio or sound communications facilities. System features audible/visual alarm, remote alarm provision, call-in assurance, zone to zone communications, paging and line supervision. Modular components include items listed below and a complete selection of telephone stations, jacks, housings, cabinets and accessories. *System is UL Listed under standard 864.*

ETC SYSTEM MAJOR COMPONENTS

MODEL	DESCRIPTION
MT-400	Master Control Panel with handset will accept up to 4 CM-1 Zone Cards
EP-10	Zone Expander Panel will accept up to 10 CM-1 Zone Cards
CM-1	Zone Card Module
BCF-1	Blank Zone Cover
FTS24	Shelf Mount 24 VDC Power Supply
FTS24-RM	Rack Mount 24 VDC Power Supply
FTE-14	Optional Enclosure will mount 1 each MT-400, EP-10 and FTS24-RM


PZ-11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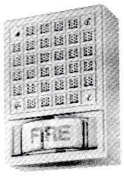
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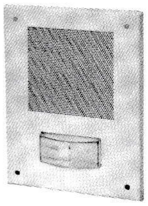
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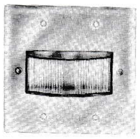
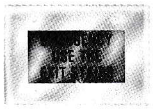
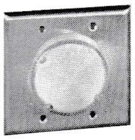

SV Series



EWL-1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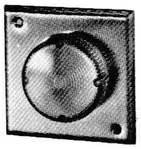
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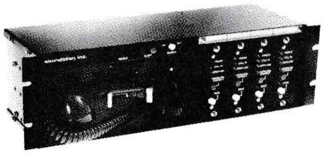
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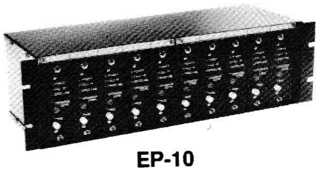
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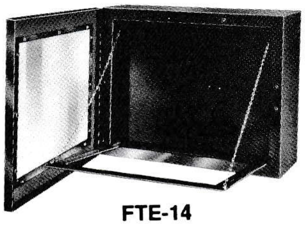

FTE-14

VANDAL PROOF / WEATHERPROOF INTERCOM STATIONS

Ruggedly constructed vandalproof compression driver and cone loudspeaker assemblies provide tamper resistant two-way communication for use in detention facilities, correctional institutions and secured access areas. Weatherproof intercoms are designed for application in remote guard stations, exit/entry gates, perimeter doors and parking garages. Compression driver equipped models(VPVT and WPVT) incorporate the patented VT Series environment resistant driver for dependable performance and effective voice and signal tone distribution. Cone loudspeaker assemblies(VPCS) incorporate a 3" diameter loudspeaker with moisture-proof/resin impregnated cone to deliver dependable communications with high intelligibility for application in individual occupancy and highly reverberant areas. Vandalproof assemblies are mounted to an 11 gauge stainless steel plate for installation to VP Series recessed backbox and include optional call origination switch(VPVT-PB and VPCS-PB). Weatherproof models are offered in flush(F) and surface(S) mounting styles and include call origination switch protected by a waterproof rubber boot.

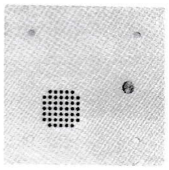
MODEL	TYPE	POWER RATING	XFMR	FREQUENCY RESPONSE
VPVT-1(PB)	Vandal Proof Compression Driver	15 Watts (8 Ohms)	-	400-4000Hz
VPVT-3(PB)		15 Watts	70.7V	
VPVT-4(PB)		15 Watts	25V	
VPVT-5(PB)		2 Watts	70.7V	
VPVT-6(PB)		2 Watts	25V	
VPCS-3(PB)	Vandal Proof Cone Loudspeaker	5 Watts (8Ohms)	-	300-4000Hz
VPCS-3(PB)-25		1 Watt	25V	
VPCS-3(PB)-70		1 Watt	70.7V	
WPVT-1S(F)	Weatherproof Compression Driver	15 Watts (8 Ohms)	-	400-4000Hz
WPVT-3S(F)		15 Watts	70.7V	
WPVT-4S(F)		15 Watts	25V	
WPVT-5S(F)		2 Watts	70.7V	
WPVT-6S(F)		2 Watts	25V	

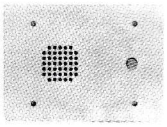
VANDAL PROOF BAFFLES

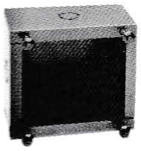
For general use where tamperproof protection of loudspeakers is required, Atlas/Soundolier offers a selection of vandal proof baffles for 4", 8" and re-entrant loudspeakers. Ruggedly constructed assemblies are available in recessed, surface, bi-directional and uni-directional styles to provide attractive preservation of loudspeakers installed in public access areas including corridors and lavatories in educational facilities, government buildings, correctional institutions, gymnasiums, airports, train terminals and wherever vandalism is a material concern. For installation convenience re-entrant horn adaptor plates are available to retrofit baffle models designed for 4" and 8" loudspeakers.

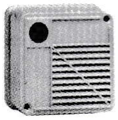
MODEL	SPEAKER	DIMENSIONS	ENCLOSURE	MTG. RING
VP60-R	8"	12-3/4" Dia. x 1" D	95-8 Series, 96-8 Series CS95-8, EZ95-8, Q408	75-8, 76-8
VP161-R4	4"	10-3/4" SQ x 3/4" Proj.	193-8, 193-8-5 SE161-R	73-8, 73-8E1 73-8E2
VP161-R8	8"			
VP161-APF	Atlas/Soundolier APF Series Horn		193-8-5, SE161-R L20-211 (Models w/Xfmr)	
VP161-MM2F	University MM2F Horn		193-8-5	
VP161-PA12F	Electro-Voice PA12F Horn			
VP410-S	8"	10" Dia. x 7" D	E.O. Box	
VP510-B	8"	10" Dia. x 8" D x 11" Proj.		

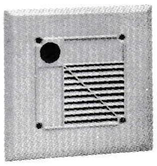
RE-ENTRANT HORN ADAPTOR PLATES	
MODEL	MOUNTS HORN MODEL
VPA-APF	Atlas/Soundolier APF Series
APF-MM2F	University MM2F
VPA-PA12F	Electro-Voice PA12F


VPVT-PB Series


VPCS-PB Series


VP Series


WPVT-S Series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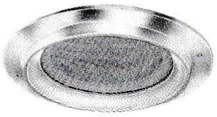
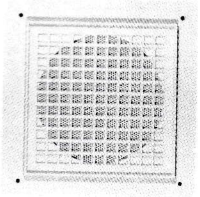
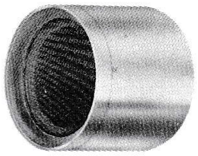
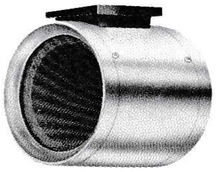
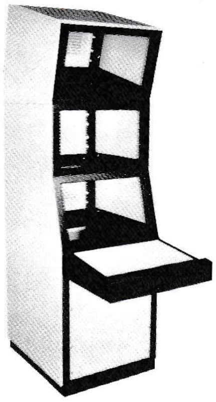

VP60-R

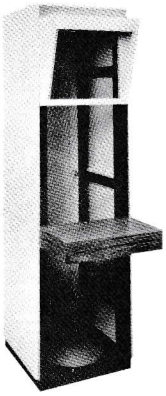

VP161 Series


VP410-S

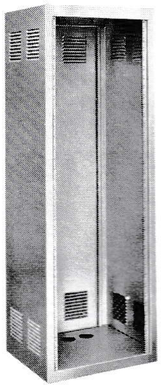

VP510-B



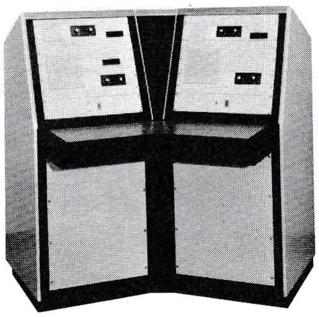
Series VI
SMB-E Configuration



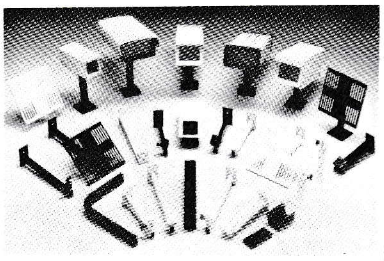
U2077 and Accessories



UWA100-70



Typical Configuration
U1044LS Consoles & Accessories



CCTV Accessories

19" WIDE MODULAR SECURITY CONSOLE SYSTEM - SERIES VI

Designed to house and protect the control equipment of professional security and surveillance systems, Series VI combines the strength and convenience of factory welded assemblies with the expansion flexibility of modular components. System is comprised of welded 14 gauge CRS stacking modular frames available in five factory assembled configurations(SMB-A, SMB-B, SMB-C, SMB-D, SMB-E) or individual base and frame modules listed below. Accessories include doors; side, top, solid and louvered panels; corner wedges, writing and equipment shelves, casters, levelers and support angles. Items are available in selection of 10 standard colors in smooth and textured finishes.

MODEL	DESCRIPTION
SMB22-19-25	25-1/2"D Base with 22-7/8" Panel Space
(SMS10)(SMS14)SMS-19-25	15° Slope Modules with 10-5/8", 14-1/8" and 19-3/8" Panel Space
SMLP22-19-25	75° Low Slope Module with 22-7/8" Panel Space
(SMA10)SMA14-19-22	Vertical Add-on Modules with 10-5/8" and 14-1/8" Panel Space
SMW19-22	Wedge Add-on Module

UL LISTED EQUIPMENT CABINETS

To maintain UL requirements for the housing and protecting of control equipment for fire protective signalling systems *(UL Standard 864)*, Atlas/Soundolier offers 27 enclosures which meet UL requirements for proper wiring access and grounding termination and are constructed to EIA standards for universal equipment compatibility. Selection includes general purpose and designer styled vertical cabinets, consoles, turrets, wall cabinets and open racks for multi-bay configuration. UL Listed accessories include corner wedges, writing surfaces, doors, panels and convenience items. Consult Atlas/Soundolier for specific models. Available in choice of 10 standard colors in smooth and textured finishes.

MODEL	WIDTH	HEIGHT	DEPTH	PANEL SPACE
(UWA100)UWA200-36	22-3/8"	41-1/16"	18-1/2"	36-7/8"
(UWA100)UWA200-42		46-5/16"		42-1/8"
(UWA100)UWA200-61		65-9/16"		61-3/8"
(UWA100)UWA200-70		74-5/16"		70-1/8"
(UWA100)UWA200-77		81-5/16"		77-1/8"
U500-61	22-3/8"	65-9/16"	18-1/2"	61-3/8"
U500-70		74-5/16"		70-1/8"
U500-77		81-5/16"		77-1/8"
U502-61	22-3/8"	65-9/16"	25-1/2"	61-3/8"
U502-70		74-5/16"		70-1/8"
U502-77		81-5/16"		77-1/8"
U600-12	22-3/8"	15-1/2"	15-3/8"	12-3/8"
U2036	22-1/8"	42-7/8"	25-1/2"	36-7/8"
U2042		48-1/8"		42-1/8"
U2061		67-3/8"		61-3/8"
U2070		76-1/8"		70-1/8"
U2077		83-1/8"		77-1/8"
U1044, U1044LS	22-1/8"	54-11/64	25-1/2"	19-3/8"(Top), 24-5/8"(Bot.)
U1047		54-11/64		19-3/8"(Top), 28-1/8"(Bot.)
U700-14	22-1/8"	17-1/8"	18-1/64"	14-1/8"
U700-19	22-1/8"	22-1/8"	19-63/64	19-3/8"

CCTV CAMERA HOUSINGS, MOUNTS AND ACCESSORIES

Protect vital security and surveillance equipment from environmental hazards with Atlas/Soundolier CCTV camera enclosures and accessories. Use the aesthetically pleasing enclosures, mounts and accessories to efficiently position cameras wherever security or crowd monitoring is required including government buildings, schools, lobbies, banks, work areas, grocery, department and convenience stores. Cost efficient indoor and outdoor housings are suitable for use with solid state, tube and fixed focal lens cameras in industrial, commercial, institutional and retail applications. Low maintenance components are constructed of durable plastic or 16 gauge CRS finished in environment resistant baked polyester enamel. Accessories include wall, ceiling and pedestal style camera, housing and monitor mounts, pole and corner adaptors, sunshields, cooling and heating accessories. For detailed specifications and model numbers request literature sheet SL1376.

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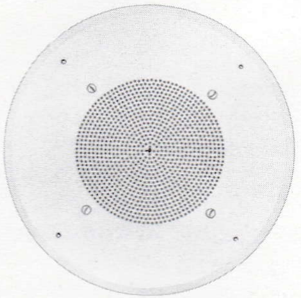
Manufacturers of loudspeakers, baffles & enclosures, electronics for sound & communications, equipment cabinets and accessories, emergency communications systems, audio evacuation products, signal & alarm devices, siren loudspeakers, intercom & telecom products, audio-visual/visual communications, microphone stands & adaptors, CCTV & communications system accessories.

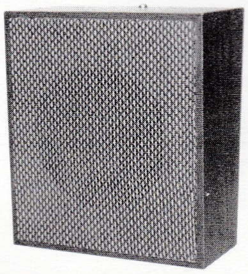
AMPLIFIED PAGING AND INTERCOM LOUDSPEAKERS

APA-7
TL-5W, TL-5SF



TL-5W

APA-7



TL-5SF

FEATURES

- Three Loudspeaker Models with Built-in Amplifier for Providing Hands-Free "Talkback" Operation and Paging Service to Telephone Systems
- Direct Station Level Input, Compatible with PABX, C.O. Line Port, Low Power Audio Page Port, E-Key Systems and Button Telephones (Interface Controller Required)
- Utilizes Standard Telephone Quad Wiring and 24 Volt DC Power Source
- Maximum Functional Flexibility and Versatility
- Minimum Installation Time
- Optimum Acoustic Power Conversion Capability
- Proven U.S. Made Atlas/Soundolier Quality and Dependability
- Style and Mounting Options for All Indoor and Outdoor Applications

APPLICATIONS

Reduce call backs and work interruptions by extending telephone system functions with amplified talkback loudspeaker Models APA-7, TL-5W or TL-5SF. Each of these specially equipped loudspeakers materially simplify internal communications, offer hands-free talkback in large open space areas, hallways or storage facilities and can assure immediate response from a desk located across a shop or in a remote area. The cost effective and innovative wide-angle double re-entrant type loudspeaker (APA-7) or 8" dia. cone type loudspeaker with choice of conventional ceiling baffle (TL-5W), or wood grained wall enclosure (TL-5SF), use standard 600 ohm telephone lines for system connections. Utilize talkback loudspeaker Models TL-5W, TL-5SF or APA-7 indoors or APA-7 outdoors to increase productive time in industrial work areas, educational institutions, laboratories, warehouses, motel/hotel and sports/recreation areas.

GENERAL DESCRIPTION

Atlas/Soundolier amplified talkback loudspeaker Models APA-7, TL-5W and TL5SF are specifically designed for integrating paging and intercom functions into electronic key telephone systems when an appropriate paging controller is used. A noiseless voice-switched bi-directional amplifier provides the audio power. The talk-listen mode is controlled by the telephone handset. The integral 2-watt, two-way amplifier produces attention-demanding, clear and audible paging or signalling with sound pressure levels of 112 dB (APA-7) and 99 dB (TL-5W/TL-5SF). The amplified loudspeaker consumes 350 mA of current at rated output, and is activated by an external 24 VDC power source. Atlas/Soundolier Model RPS24-05 power supply is recommended.

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GENERAL DESCRIPTION (CON'T.)

APA-7. Model APA-7 is aesthetically pleasing and constructed of durable environment resistant materials including engineering grade ABS plastic, alumninum and aluminum die castings. It provides a 130° x 90° sound distribution pattern for effective paging coverage and intercom message-distribution. An Omni-Purpose mounting bracket allows precise directional positioning in horizontal and vertical planes. Installation on conventional surfaces include provisions for strap mounting on I-beams or pillars and flange mounting to flat surfaces. Unit is finished in grey baked epoxy.

TL-5W and TL-5SF. The 8" (203mm) dia. cone type loudspeaker provides 120° distribution pattern for uniform sound dispersion. Models are offered with choice of decorative recessed ceiling baffle (TL-5W) or an attractive surface wall enclosure (TL-5SF). Model TL-5W includes 12-3/4" dia. grille constructed of CRS and finished in white semi-gloss enamel. Model TL-5SF is a slope front wood enclosure with walnut grain laminate and cane grille. Unit measures 9-1/2"W x 10-3/4"H.

INSTALLATION NOTES

For satisfactory talkback operations, special considerations should be given to individual loudspeaker placement. Any extraneous noise present at the loudspeaker location will be transmitted to the listener and speech will be unintelligible at the receiving end if the ambient sounds are higher than the transmitted speech. Therefore, installation near air conditioning ducts, bells or signalling applicances, office machines, motors and processing equipment should be avoided.

Wiring connections to the loudspeaker are as follows:

Power Supply:	-24 VDC to white lead +24 VDC to black lead
Telephone:	Audio signal tip to green lead Audio signal ring to red lead

LOUDSPEAKER SPECIFICATIONS

	APA-7	TL-5W	TL-5SF
RATED OUTPUT	2 Watts RMS	2 Watts RMS	2 Watts RMS
FREQ. RESPONSE	300Hz-4KHz	300Hz-4KHz	300Hz-4KHz
DISTORTION	Less than 3% of rated power		
INPUT IMPEDANCE	600 Ohms	600 Ohms	600 Ohms
INPUT SENSITIVITY	15 mV	15 mV	15mV
TALKBACK GAIN	44 dB	44 dB	44dB
SOUND PRESSURE LEVEL*	112 dB	99 dB	99dB
DISPERSION	130° x 90°	120°	120°
SUPPLY VOLTAGE	24 VDC	24 VDC	24 VDC
POWER REQUIREMENTS			
Full Rated Power	350 mA	350 mA	350 mA
Idle Current	98 mA	98 mA	98 mA
DIMENSIONS	12"W x 8-1/4"H x 11-1/8"D (30.5 cm x 21 cm x 28.3 cm)	12-3/4" Dia. (32.4 cm)	9-1/2"W x 10-3/4"H x 5"D (24.1 cm x 27.3 cm x 12.7 cm)
WEIGHT	4 lbs. (1.8 kg)	4 lbs. (1.8 kg)	6 lbs. (2.7 kg)
FINISH	Grey Baked Epoxy Housing Grey ABS Sound Projector	White Semi-Gloss Enamel Grille	Walnut Grain Vinyl Over Wood with Fabric & Cane Grille
ACCESSORIES	RPS24-05 Regulated Power Supply**		

* 4' on Axis Full Rated Power
** For use when -24 VDC is not available from phone system

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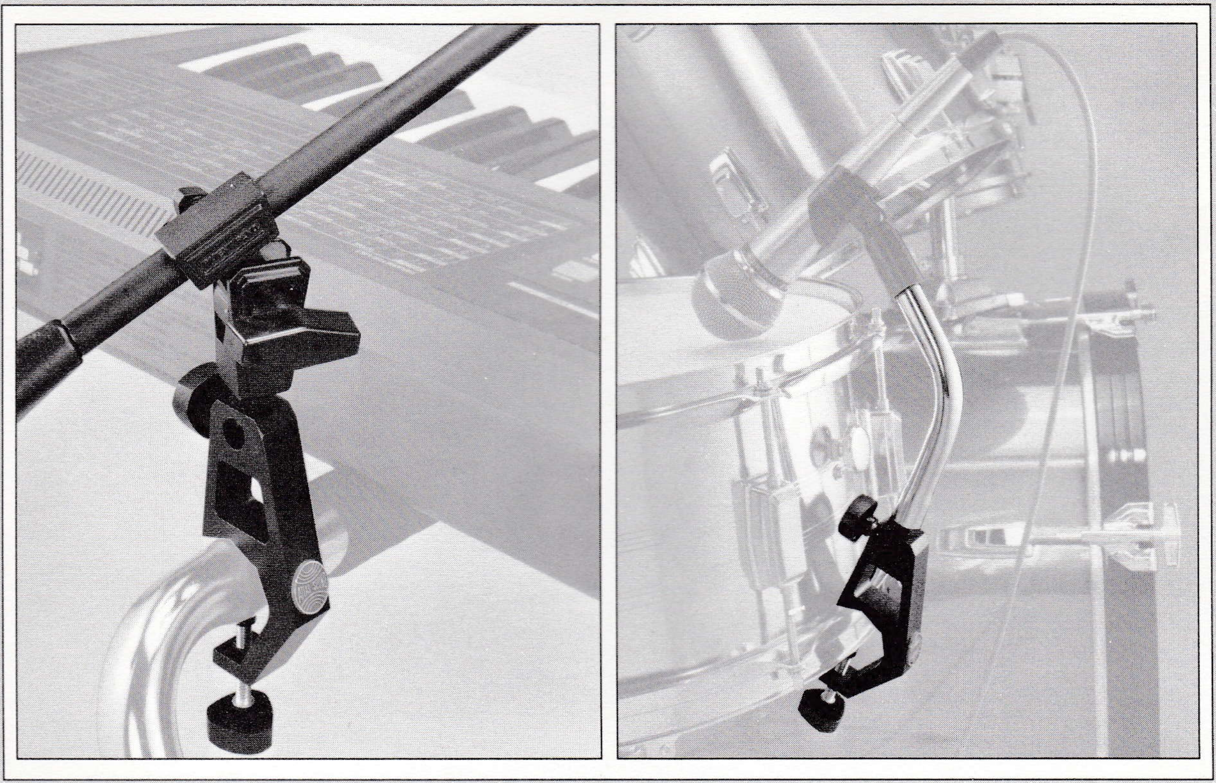
MULTI-FUNCTION MICROPHONE ADAPTOR CLAMP

MAC-1



FEATURES

- Versatile Multi-Function Adaptor Clamp for Attaching Equipment and Microphones to Drum Sets, Amplifiers, and Stands
- Vertical or Horizontal Positioning
- Lightweight Aluminum Casting with Adjustable Nylon Tipped Clamp for Safe, Secure Mounting
- Non-Reflecting Ebony Black Finish
- U. S. Patent Design #299,906

APPLICATIONS

Attach auxiliary equipment and accessories directly onto stands, percussion kits, keyboards or synthesizers with Atlas/Soundolier Model MAC-1 adaptor. Versatile clamp is ideal for the miking of string instruments and for fastening percussion accessories such as small and medium cow bells, chimes, triangles, tambourines and other devices to assure close proximity between instrument or vocalist to the microphone. The MAC-1's dependability and flexibility provide for unlimited use on stage and in the studio and will be appreciated wherever single or multiple microphones and accessories are utilized.

GENERAL DESCRIPTION

Use Model MAC-1 adaptor clamp for accurate positioning of musical equipment and accessories. Versatile unit was issued U. S. patent #299,906 and features 180° front/back or lateral arm movement. It accepts all 5/8" - 27 thread holders and standard adaptors including flexible goosenecks, twin mount, extension tubes, snap on/lock-on shock mount and boom arm extensions for mounting to 5/8" and 7/8" diameter tubing. MAC-1 is manufactured of high strength extruded aluminum and is finished in non-reflecting ebony epoxy. Shipping weight is 1-1/2 lbs.

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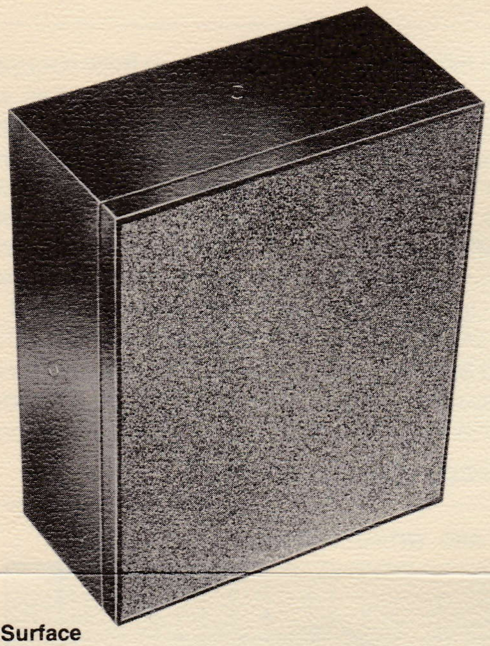

Surface Models

Model No.	Speaker Size	Cubic Feet
QF38	8″	2
QF412	12″	2
QF58	8″	3
QF612	12″	3
QF712	12″	4
QF812	12″	6
QF915	15″	6

New...

Q series FOAM

soundolier

has combined its best enclosures, the

Q series

with the big, rich, full sound

and...

one of the newest concepts in the commercial sound industry...

Acoustical Foam

for maximum sound transmission and interior design aesthetics.

Now available in Surface models and Recessed models

Baffles for Recessed Models

Model No.	Speaker Size	Mounts to Following Enclosures
QF164-8	8″	Q418, Q438, Q458
QF164-12	12″	Q4412, Q4612, Q4712, Q4812
QF164-15	15″	Q4915

- Q-SERIES ENCLOSURES ELIMINATE "HANGOVER" AND VIBRATION
- ACOUSTICAL FOAM BAFFLES ALLOW MAXIMUM SOUND ENERGY TRANSMISSION
- 2, 3, 4, & 6 CUBIC FOOT SIZES
- 8″, 12″, AND 15″ SPEAKER SIZES
- SURFACE MODELS ARE PRE-ASSEMBLED
- EASY INSTALLATION
- ACOUSTICAL FOAM IS SPECIALLY TREATED RETICULATED POLYURETHANE
- SPECIAL URETHANE RIGIDIZING PROCESS PREVENTS SAG
- ALL SURFACE, 12″ AND 15″ RECESSED MODELS HAVE DECORATIVE WIRE RETAINERS TO SUPPORT URETHANE COVERINGS

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Q series with Acoustical Foam

Soundolier's Deluxe Q-Series line expands to include baffle models with acoustical foam. Now you have a choice of Q-series surface enclosures with attractive reticulated polyurethane speaker openings or square foam baffles which mount to a variety of Q-Series enclosures.

Soundolier has taken their top-of-the-line metal enclosures and combined them with the newest concept in the commercial sound industry, reticulated polyurethane foam. AN ACOUSTICAL BREAKTHROUGH!!!

The Q-Series has been developed in response to the commercial sound industry's need for a large loud speaker enclosure for use in high quality distributed sound systems. Utilizing ½ inch thick acoustical fiber board permanently affixed to the inner walls and ½ inch thick fiberglass lining, "hangover" and vibration normally associated with large metal enclosures are eliminated. The result is a big, rich, full sound normally associated with wood enclosures.

Soundolier's acoustical foam baffles represent one of the newest concepts in the commercial sound industry. The foam baffles assure you of maximum sound energy transmission. Comparison of sound pressure levels with and without foam in front of a speaker produced no discernable difference in the audio spectrum from 20 Hz through 20 KHz (see figure 1 below). In addition to the exceptional acoustical properties exhibited by the foam baffles, the overall style compliments any interior decor.

Q-series plus Acoustical Foam...the best sound available from Soundolier.

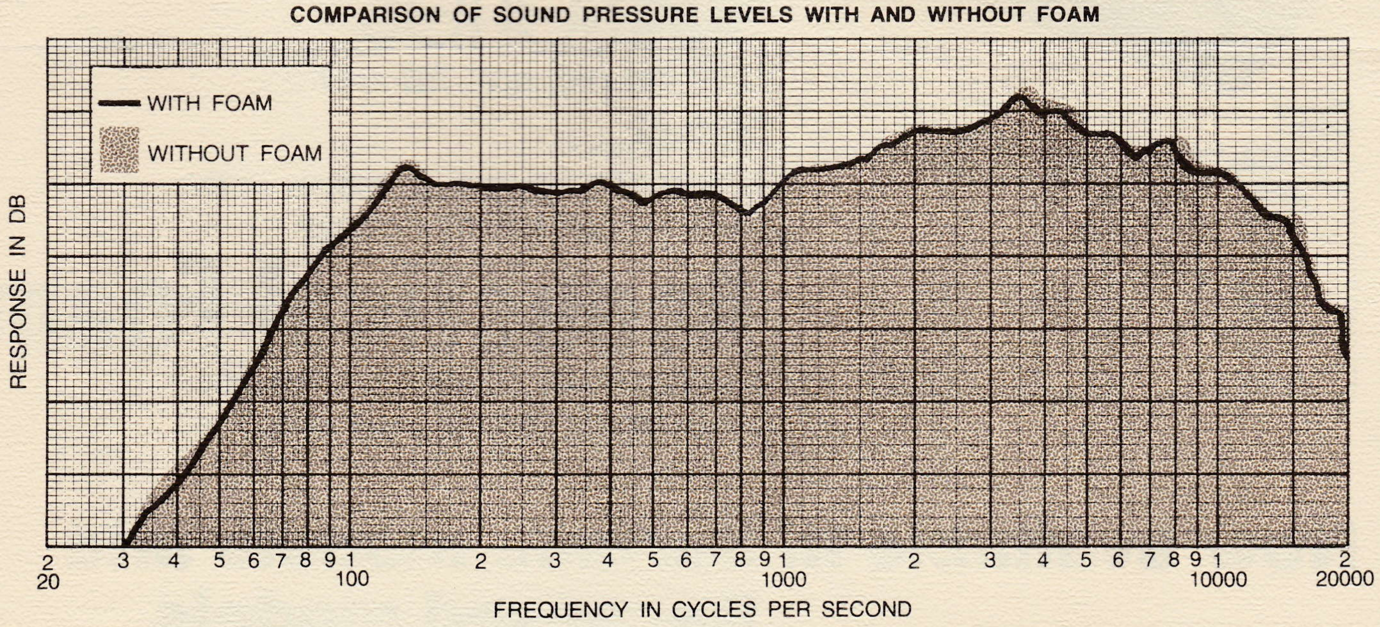
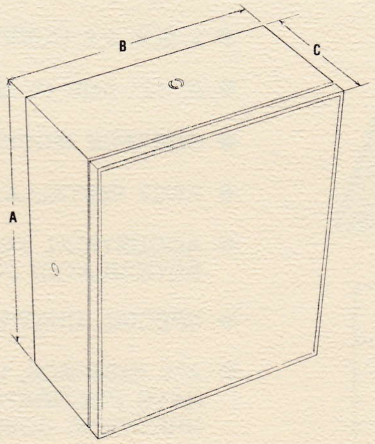


Figure 1.

DIMENSIONS

Surface Models

Model No.	Speaker Size	Cubic Feet	Dimensions A	B	C
QF38	8"	2	23"	18"	9"
QF412	12"	2	23"	18"	9"
QF58	8"	3	23"	18"	13"
QF612	12"	3	23"	18"	13"
QF712	12"	4	23"	18"	17¾"
QF812	12"	6	29½"	23"	16"
QF915	15"	6	29½"	23"	16"



Baffles for Recessed Models

Model No.	Speaker Size	Dimensions	Projects
QF164-8	8"	12⅞" Square	½"
QF164-12	12"	16" Square	½"
QF164-15	15"	20⁹⁄₁₆" Square	½"

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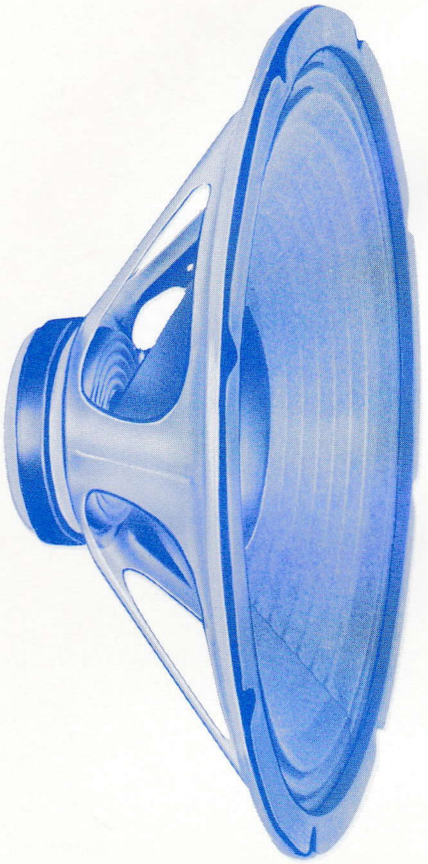
C1210W LOUDSPEAKER

C1210W-T87 C1210W-T70
C1210W-T82 C1210W-T25
C1210W-T47
C1210W-T42

soundolier, inc.



GENERAL DESCRIPTION

The Soundolier Model C1210W is a full range 12″(305mm) loudspeaker ideal for high quality background and foreground music systems as well as public address systems for civic auditoriums, convention centers, theatres, etc.

A permanently aligned voice coil assures distortion free operation.

The Model C1210W has a built in whizzer cone providing a very wide distribution angle over a wide frequency range making uniform sound pressure level easily attainable in an installation.

Soundolier offers the model C1210W with a selection of factory-mounted and wired constant voltage line matching transformers. The chart below will assist you in making your selection of speaker/transformer assemblies. Details and specifications on the transformer models are contained on a separate specification sheet.

Speaker Size	**12″(305mm)**
Freq. Response:	**70 Hz to 10 KHZ**
Magnet Weight:	**10 oz.**
Impedance:	**8 ohms**
Power Rating:	**10 watts rms**
Voice Coil Dia.:	**1″**
Sensitivity	**96 db at 4 ft.(1219mm) 1 watt input**
Resonance:	**78 Hz**
Flux Density:	**10,000 guass**
Depth:	**4¾″(121mm) (Less Transformer)**

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker shall be Soundolier Model C1210W or approved equal. The unit shall have an 10 ounce ceramic magnet, a 12″(305mm) cone with whizzer for high frequency dispersion.

The loudspeaker frequency response shall be 70 Hz to 10 KHz and the sensitivity shall be 98 db at 4 ft(1219mm) with 1 watt input.

The voice coil shall operate in a magnetic field of at least 10,000 gauss. The maximum depth of the loudspeaker shall not exceed 4¾″(121mm) (without transformer).

(Complete with Soundolier constant voltage transformer) the C1210W loudspeaker shall be complete with Soundolier model ______ transformer. Its primary voltage shall be 70.7 (or 25) volts and shall have power taps of ______ watts. The transformer frequency response shall be ± ______ db from ______ Hz to ______ KHZ. The insertion loss shall not exceed ______ db.

The Combination loudspeaker and constant voltage transformer shall be Soundolier Model C1210W (T87, T82, T47, T42, T70, T25) or approved equal.

C1210W SPEAKER/TRANSFORMER COMBINATIONS AVAILABLE:

Model No.	Uses Trans. Model	Transformer Primary Voltage	Transformer Max. Power	Transformer Frequency Response	Insertion Loss
C1210W-T87	HT-87	70.7	8 Watts	±1db 50 Hz-15KHz	.6 db
C1210W-T82	HT-82	25	8 Watts	±1db 50 Hz-15KHz	.6 db
C1210W-T47	HT-47	70.7	4 Watts	±1db 60 Hz-12KHz	1.0 db
C1210W-T42	HT-42	25	4 Watts	±1db 60 Hz-12KHz	1.0 db
C1210W-T70	HT-70	70.7	5 Watts	±1.5db 100 Hz-10KHz	1.5 db
C1210W-T25	HT-25	25	5 Watts	±1.5db 100 Hz-10KHz	1.5 db

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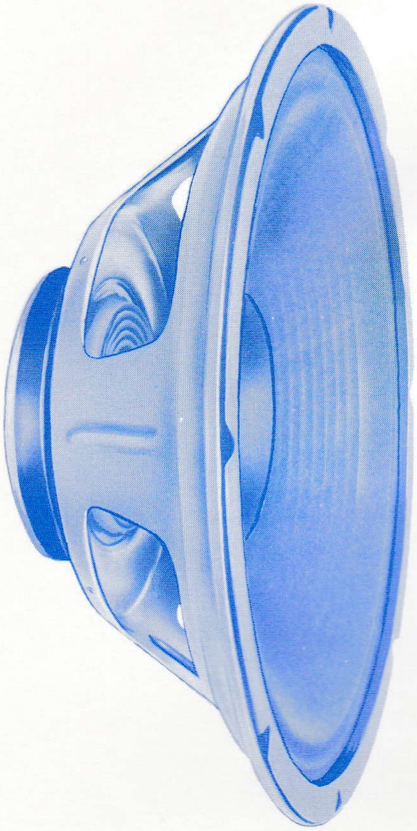
C1218W LOUDSPEAKER

C1218W-T87 C1218W-T70
C1218W-T82 C1218W-T25
C1218W-T47
C1218W-T42



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GENERAL DESCRIPTION

The Soundolier Model C1218W is a full range 12"(305mm) loudspeaker ideal for high quality background and foreground music systems as well as public address systems for civic auditoriums, convention centers, theatres, etc.

A permanently aligned voice coil assures distortion free operation.

The Model C1218W has a built in whizzer cone providing a very wide distribution angle over a wide frequency range making uniform sound pressure level easily attainable in an installation.

Soundolier offers the model C1218W with a selection of factory-mounted and wired constant voltage line matching transformers. The chart below will assist you in making your selection of speaker/transformer assemblies. Details and specifications on the transformer models are contained on a separate specification sheet.

Speaker Size .....12"(305mm)
Freq. Response: ..50 Hz to 14 KHZ
Magnet Weight: ...18 oz.
Impedance: ......8 ohms
Power Rating: ....16 watts rms
Voice Coil Dia.: ...1"
Sensitivity ....98 db at 4 ft.(1219mm) 1 watt input
Resonance: ......55 Hz
Flux Density: .....13,000 guass
Depth: ....4½"(114mm) (Less Transformer)

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker shall be Soundolier Model C1218W or approved equal. The unit shall have an 18 ounce ceramic magnet, a 12"(305mm) cone with whizzer for high frequency dispersion.

The loudspeaker frequency response shall be 50 Hz to 14 KHz and the sensitivity shall be 98 db at 4 ft(1219mm) with 1 watt input.

The voice coil shall operate in a magnetic field of at least 13,000 gauss. The maximum depth of the loudspeaker shall not exceed 4½"(114mm) (without transformer).

(Complete with Soundolier constant voltage transformer) the C1218W loudspeaker shall be complete with Soundolier model ______ transformer. Its primary voltage shall be 70.7 (or 25) volts and shall have power taps of ______ watts. The transformer frequency response shall be ± ______ db from ______ Hz to ______ KHZ. The insertion loss shall not exceed ______ db.

The Combination loudspeaker and constant voltage transformer shall be Soundolier Model C1218W (T87, T82, T47, T42, T70, T25) or approved equal.

C1218W SPEAKER/TRANSFORMER COMBINATIONS AVAILABLE:

Model No.	Uses Trans. Model	Transformer Primary Voltage	Transformer Max. Power	Transformer Frequency Response	Insertion Loss
C1218W-T87	HT-87	70.7	8 Watts	±1db 50 Hz-15KHz	.6 db
C1218W-T82	HT-82	25	8 Watts	±1db 50 Hz-15KHz	.6 db
C1218W-T47	HT-47	70.7	4 Watts	±1db 60 Hz-12KHz	1.0 db
C1218W-T42	HT-42	25	4 Watts	±1db 60 Hz-12KHz	1.0 db
C1218W-T70	HT-70	70.7	5 Watts	±1.5db 100 Hz-10KHz	1.5 db
C1218W-T25	HT-25	25	5 Watts	±1.5db 100 Hz-10KHz	1.5 db

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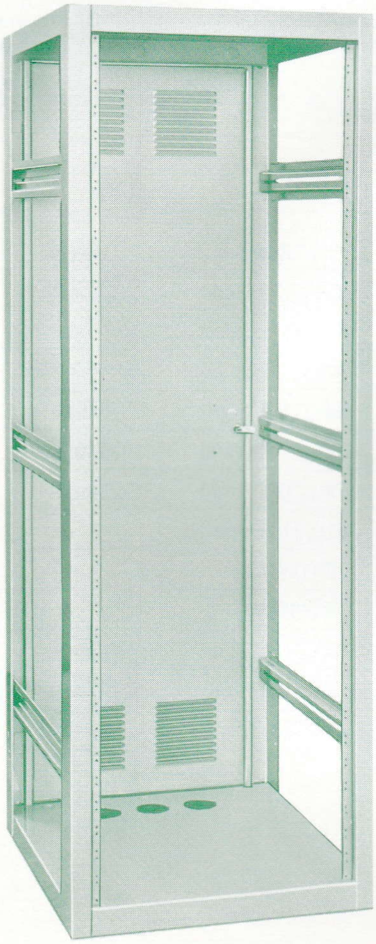
MULTI RACKS
STANDARD 19"(483mm) RACK PANELS

ELECTRONIC EQUIPMENT CABINETS / SERIES 502 SERIES 510 SERIES 530 SERIES 542

soundolier, inc.



Now, A Multi Rack 25½" Deep Series 502

Soundolier Multi Racks are designed for standard 19"(483mm) rack panels and for maximum flexibility. Multi Racks can be readily joined together and because of its open side construction, electrical wiring is simple and convenient. Multi Racks are supplied with a rear door, hung on slip-jointed hinges, with a top pin hinge extra long to reduce alignment problems when assembling. A cylinder lock and low profile handle are supplied with each rear door. Panel mounting rails are adjustable, manufactured of 11 gauge C.R.S. and are tapped for 10-32 screws. Multi Racks are constructed of heavy 16 gauge C.R.S. Internal louvers are supplied on rear doors. Six ½"(13mm)-¾"(19mm) combination knockouts (3 on top and 3 on back flange) are provided at the top of the rack, and six combination knockouts at the bottom (3 on bottom and 3 on back flange)/ To facilitate cable entry, three $2\frac{13}{16}$"(71mm) diameter holes are located toward the rear of base of the rack.

Soundolier Multi Racks are shipped welded and assembled. Rack panel mounting is achieved with 10-32 x ¾"(19mm) pan head screws provided with the rack. All metal surfaces receive an iron phosphate coating prior to finishing for rust prevention and maximum paint adhesion. Standard finish is baked grey hammertone with additional standard and non-standard colors available. Consult your Soundolier master price list for current standard Soundolier colors and for policy regarding non-standard colors.

OPTIONAL ACCESSORIES

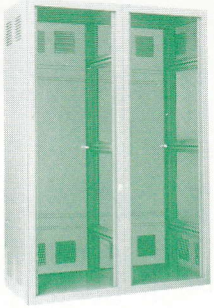
SERIES 510 FRONT DOOR. Front doors can be easily installed in the field with right or left hand hinging optional. The basic 502 Series Multi Rack is supplied with a series of knockouts on each side of the front return. When installing the front door, these knockouts are simply removed, and a 10-32 self-tapping screw inserted therein. Front doors are supplied with heavy duty continuous piano hinge, cylinder lock and low profile handle.

SERIES 530 MOUNTING RAILS. While Soundolier 502 Series Multi Racks are supplied with one set of 11 gauge C.R.S. mounting rails, additional sets of rails are available at customer's option.

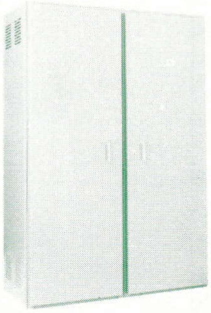
SERIES 542 SIDE PANELS. One pair of 542 Series Side Panels is required, whether rack is installed singly or in a row. Side panels are simply installed by hooking them over internal side channels in 502 Series Racks. Multi Rack side panels are supplied with Soundolier's exclusive internal louvering for maximum ventilation and clean appearance.

FEATURES

- 25½"(648mm) Deep
- 16 gauge C.R.S. throughout, except tapped mounting rails which are 11 gauge C.R.S.
- Mounting Rails are tapped for 10-32 screws.
- 1¼"(32mm) - ½"(13mm) Panel mount spacing standard.
- $\frac{11}{16}$"(17mm) offset for panel mount.
- 10-32 x ¾"(19mm) Pan Head screws for assembly of panels.
- ¼"(6mm) - 20 x ½"(13mm) Pan Head screws and hexnuts for joining of racks.
- Slip jointed hinges on rear door and continuous piano hinge on optional front door.
- Optional Front Door can be installed for right or left hand hinging.
- Low profile handle and cylinder lock (Front and Rear Door keyed differently).
- ½"(13mm) - ¾"(19mm) IPS Knockouts on top, bottom and rear flanges.
- $2\frac{13}{16}$"(71mm) Diameter holes in base for wiring ease.
- Internal Louvers on all side and rear door.
- Engineered scuff, resistant packing.
- All models shipped welded and assembled.
- Standard 19"(483mm) Rack Panels.
- Standard Finish is baked grey hammertone over iron phosphate coated metal. Other standard colors available at no extra cost.



Two Basic Series 502 Multi Racks shown with optional Series 542 Side Panels installed.



Two Basic Series 502 Multi Racks shown with optional Series 542 Side Panels and Series 510 Front Doors installed.

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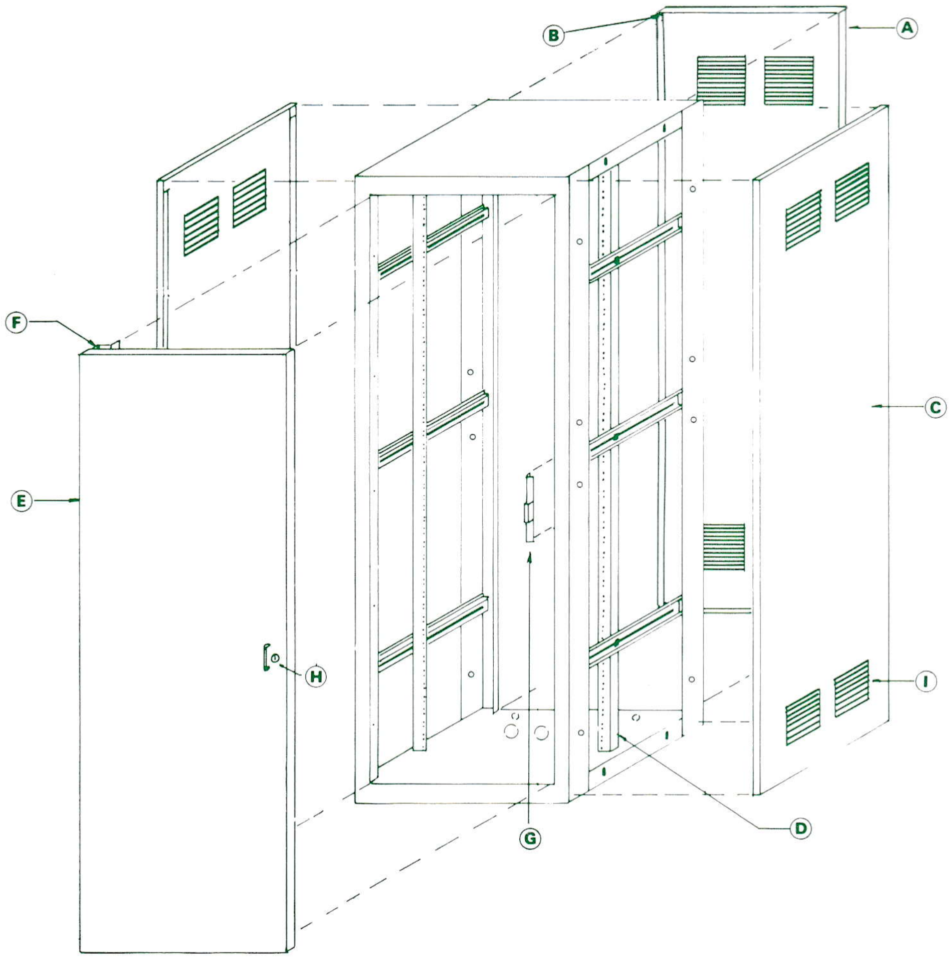
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The equipment rack shall be a Soundolier Multi Rack Model ______ or approved equal. It shall be constructed of 16 gauge C.R.S. and shall have 11 guage C.R.S. adjustable tapped mounting rails. Cabinet depth shall be 25½"(648mm). Mounting rails shall be tapped for 10-32 screws. It shall have ½"(13mm) - ¾"(19mm) conduit knockouts on the top, Bottom and rear flanges. It shall have a rear door supported on slip jointed hinges and shall be equipped with a low profile handle and cylinder lock. Rear door shall be supplied with internal louvers. Cabinet shall be installed singly or in a row of __________ (specify number of cabinets to be installed in row) and sides of rack/row shall be closed with Soundolier Multi Rack Series 542 Side Panels. Side panels be supplied with internal louvering which shall give a flush exterior appearance.

Optional:
The Equipment Rack shall have a Soundolier Model ________ front door or approved equal mounted on a continuous hinge. Door hinging shall be right/left (specify which). The door shall have a cylinder lock the same in style but keyed differently from the rear door and shall have the same low profile handle. The door shall be 1"(25mm) deep to clear all control knobs.

DIMENSIONS

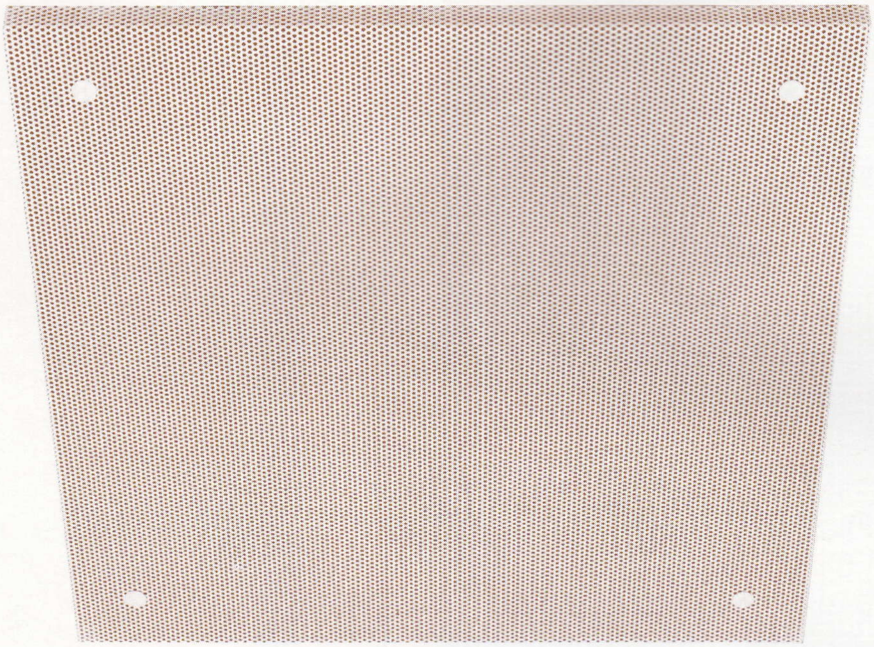
Model No.	Description	Panel Space	Width	Height	Depth
502-61	Basic Rack*	$61\frac{7}{16}$"(1561mm)	$22\frac{5}{16}$"(567mm)	$65\frac{9}{16}$"(1665mm)	$25\frac{1}{2}$"(648mm)
502-70	Basic Rack*	$70\frac{3}{16}$"(1783mm)	$22\frac{5}{16}$"(567mm)	$74\frac{5}{16}$"(1888mm)	$25\frac{1}{2}$"(648mm)
502-77	Basic Rack*	$77\frac{3}{16}$"(1961mm)	$22\frac{5}{16}$"(567mm)	$81\frac{5}{16}$"(2065mm)	$25\frac{1}{2}$"(648mm)
510-61 Use 110-61)	Front Door	—	$21\frac{1}{4}$"(540mm)	$63\frac{1}{4}$"(1607mm)	1"(25mm)
510-70 Use 110-70)	Front Door	—	$21\frac{1}{4}$"(540mm)	$72\frac{1}{16}$"(1830mm)	1"(25mm)
510-77 Use 110-77)	Front Door	—	$21\frac{1}{4}$"(540mm)	$79\frac{1}{16}$"(2008mm)	1"(25mm)
530-61 Use 230-61-T)	Mtg. Rails**	—	—	$61\frac{1}{4}$"(1556mm)	—
530-70 Use 230-70-T)	Mtg. Rails**	—	—	70"(1778mm)	—
530-77 Use 230-77-T)	Mtg. Rails**	—	—	77"(1956mm)	—
542-61	Side Panels	—	$25\frac{1}{8}$"(638mm)	$65\frac{7}{16}$"(1662mm)	$\frac{5}{8}$"(16mm)
542-70	Side Panels	—	$25\frac{1}{8}$"(638mm)	$74\frac{1}{8}$"(1883mm)	$\frac{5}{8}$"(16mm)
542-77	Side Panels	—	$25\frac{1}{8}$"(638mm)	$81\frac{1}{8}$"(2061mm)	$\frac{5}{8}$"(16mm)



KEY
- A. Hinged rear door with lock and door pull. (Included with basic rack).
- B. Spring snap hinge
- C. 542 Series side panels (optional).
- D. Adjustable tapped mounting rails. 11 ga. C.R.S. (1 pr. included with basic rack).
- E. Front door 510 Series (optional). Can be hinged right or left.
- F. Full length piano hinge.
- G. Door Lock Catch (furnished with 510 Series door).
- H. Lock and door pull.
- I. Internal louvers. No exterior projections.

NEW

soundolier all perforated square grille



Model 19-8

FEATURES:

- Clean appearance afforded by all perforated front
- Available in torsion or screw mount versions
- Attractive white finish blends well with any building interior
- Rugged two piece construction with separate speaker subplate

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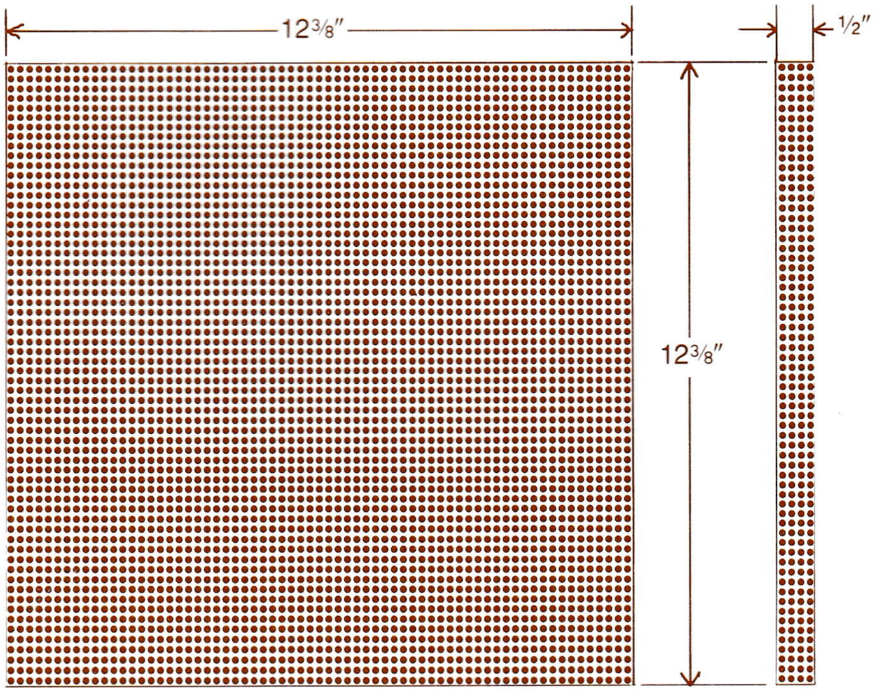
Model 19-8 – ALL PERFORATED SQUARE GRILLE

Soundolier expands its baffle line to include an attractive square, all perforated grille for 8″ speakers. The crisp, clean lines of model 19-8 blend well with any office decor. The complete baffle consists of the front grille plus a subplate to prevent bass "leaks". Four weld studs are provided on back of the subplate for mounting speaker. Heavy gauge cold rolled steel construction is used throughout for strength and is finished in a semi-gloss white baking enamel.

Model 19-8 is also available in a torsion spring version. Prefix model number with "T" when ordering torsion version. Example: T19-8.



Model	Speaker	Dimensions	Enclosure	Mounting Frame
19-8	8″	12⅜″ Sq. X ½″ Proj.	191-78, 191-78—5″ Deep SM191-78, Q418, Q438, Q458	71-8, 71-8E1, 71-8E2
T19-8	8″	12⅜″ Sq. X ½″ Proj.	T191-78, T191-78—5″ Deep	T71-8, T71-8E1, T71-8E2

4+ Speaker/Baffle System

Every so often, a breakthrough occurs in manufacturing that permits new innovations in design. We have made such a breakthrough. The Soundolier 4+ Speaker is a remarkable, quality speaker in a compact size. And it is that beautifully concise size which permits the introduction of the Soundolier 4+ Baffles.

Together they add up to a revolutionary new system. The beginning of a whole new look to a new generation of sound equipment.

soundolier, inc.

the Size:

Heretofore, the industry standard was the conventional eight inch speaker. That was until Soundolier's 4+.

The Soundolier 4+ Speaker. 4⅜" x 2⅛" deep. It marks a new dimension in quality. Compact size, outstanding voice and music reproduction. Perfect for low level commercial, contract and industrial use. For schools, public facilities, hospitals, anywhere a fine compact speaker is called for, the 4+ sets a new industry benchmark.

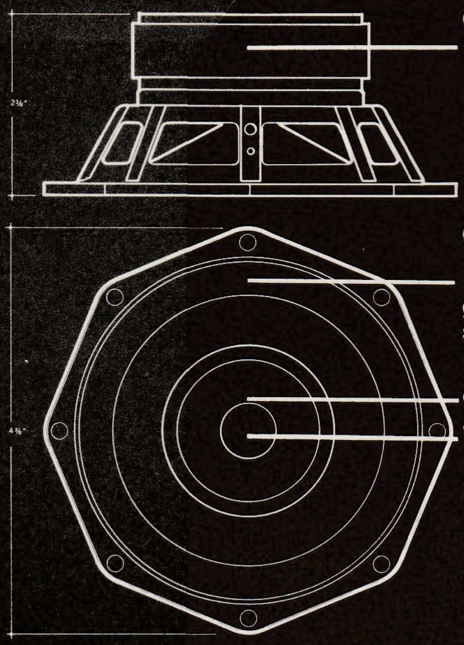
The Soundolier 4+ represents years of design research coupled with engineering skill, and innovative manufacturing techniques. The 4+ features a specially designed ceramic magnet with 10,500 Gauss, high compliance cone for fine low frequency reproduction and consistently smooth extended frequency response that could only be achieved previously with much larger speakers. And because of the Soundolier's 4+ Speaker's wide angle (90°) of dispersion, economical distribution of speakers is facilitated.

All this, plus a surprisingly modest cost, makes the Soundolier 4+ the new industry standard against which all other four inch speakers will be measured.

The Soundolier 4+™ Speaker:

Model Number: FC-104

Power Capability: 10 watts program
Frequency Response: 60 to 18 KHz
Pressure Sensitivity:
95db (SPL at 4 ft. from 1 watt.)
E.I.A. Sensitivity: 48db
Impedance: 8 ohms
Cone Resonance: 85 Hz
Voice Coil Diameter: ¾"
Magnet Type: Ceramic
Magnet Weight: 10 oz.
Flux: 10,500 Gauss
Terminals: solder lugs
Baffle Opening: 4³⁄₁₆"diameter
Distribution: 90°



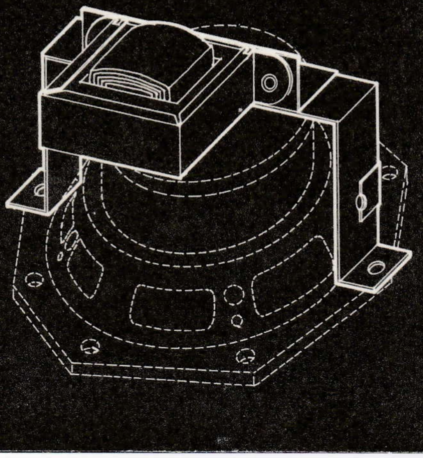
ceramic magnet
designed for maximum efficiency

cloth surround
allows maximum amplitude important to low frequencies.
good bass reproduction even with small size

whizzer cone
disperses high frequencies

voice coil
specially constructed to allow a narrow gap in the magnetic structure

the Bracket:



For the first time a transformer bracket has been designed which goes over the speaker to hold the transformer in proper position. The mounting bracket is supplied with all FC 104 speakers.

This bracket is furnished with all baffles that require torsion spring mounting and the catalog number is prefixed by the letter T. The bracket does not include the transformer.

the Shape:

Once the right speaker was developed we went to work on the baffles. The Soundolier 4+ Speaker gave us a compact size that permitted us to explore and innovate with the look of sound – and to offer you new exciting shapes never before practical or possible in small, well-designed baffles.

The Soundolier 4+ Baffles represent the highest quality workmanship and design based on the advice and counsel of dozens of engineers and architects. For the first time, your clients will be able to see as well as hear quality. The wide range of shapes and colors assures you of baffles well suited to your needs.

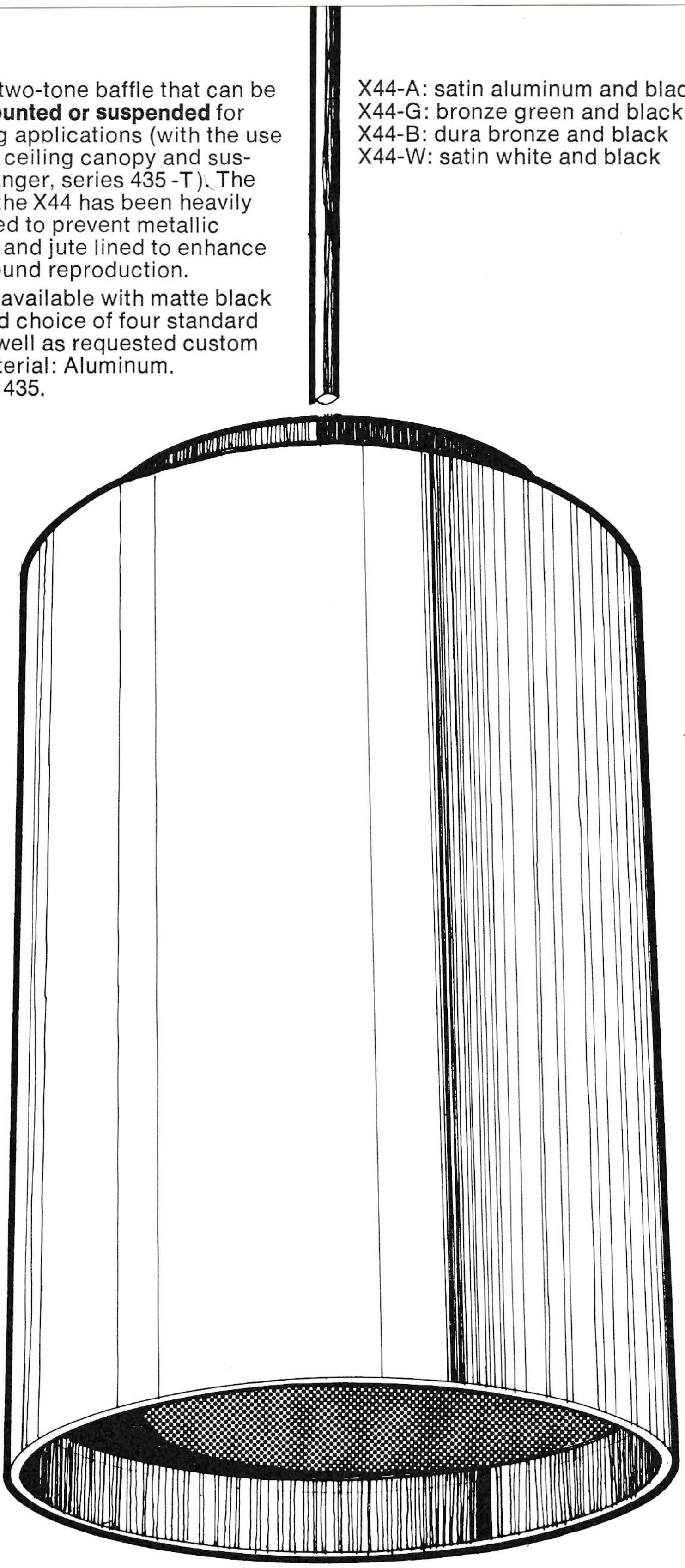
Of course, Soundolier is a custom manufacturer. We can take any of the baffles in this catalog and modify them; or develop entirely new concepts. We welcome your comments, suggestions and creativity. That's what the Soundolier 4+ Speaker and Baffle System is really all about.

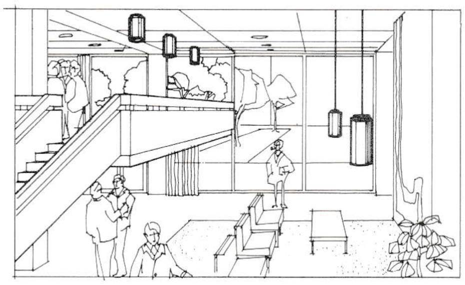
X44

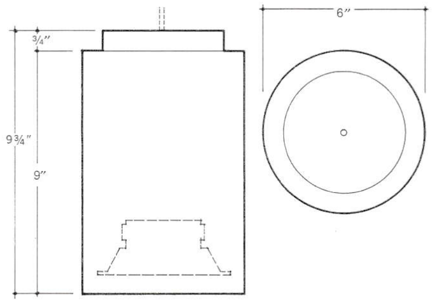
A striking, two-tone baffle that can be **surface mounted or suspended** for high ceiling applications (with the use of optional ceiling canopy and suspension hanger, series 435-T). The interior of the X44 has been heavily undercoated to prevent metallic resonance and jute lined to enhance realistic sound reproduction.

The X44 is available with matte black regress and choice of four standard colors, as well as requested custom colors. Material: Aluminum.
Mounts to: 435.

X44-A: satin aluminum and black
X44-G: bronze green and black
X44-B: dura bronze and black
X44-W: satin white and black





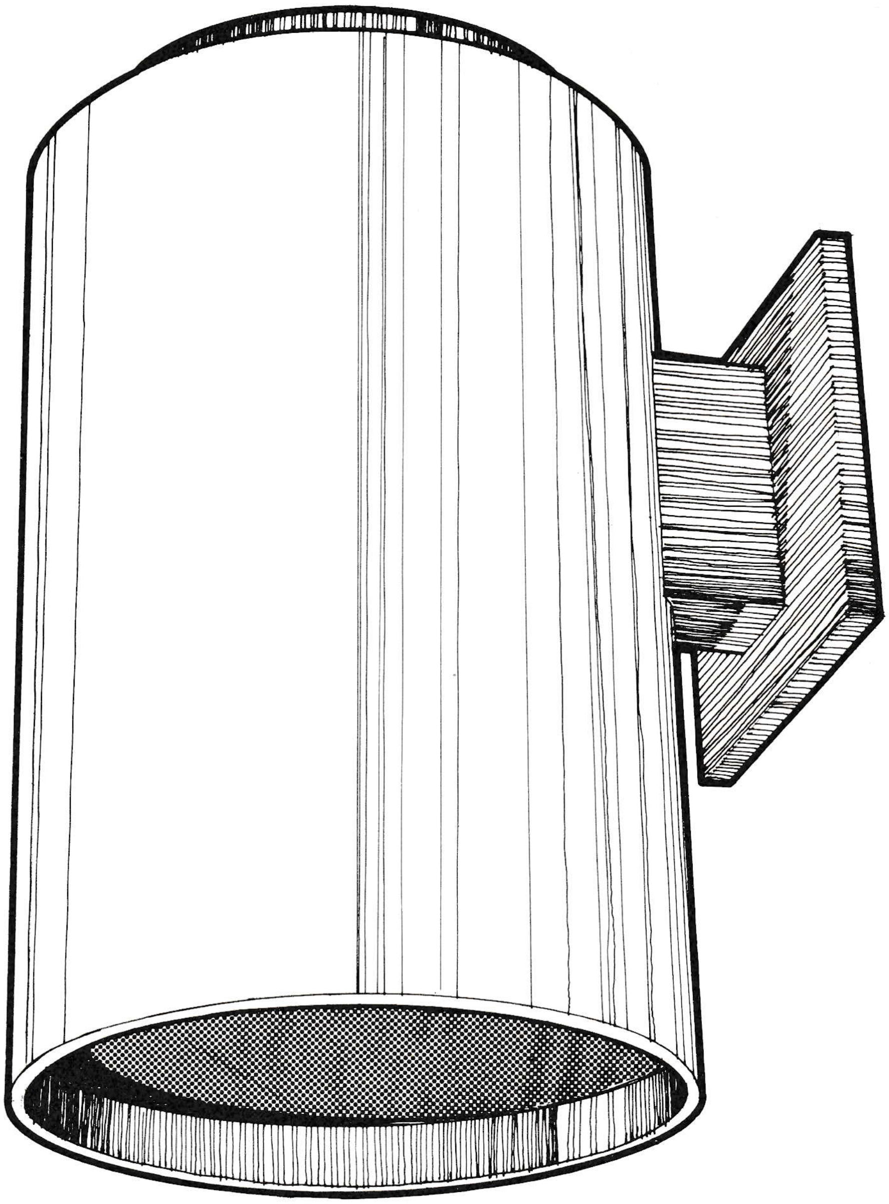


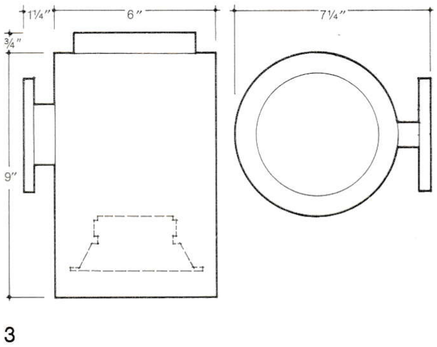
X46

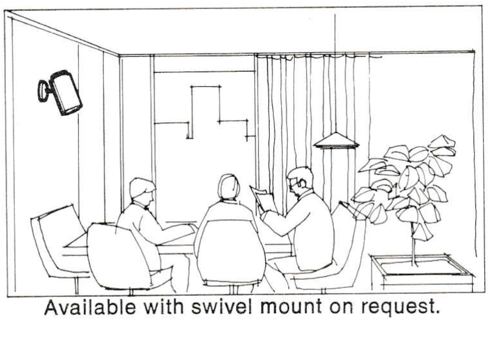
An elegant two-tone side mounted baffle. Designed for the non-conventional installation, and difficult situations where ceiling installations are simply not possible. Ideally suited for column mountings and lobby wall mounting where aesthetics are important.

The X46 has a sculptured cast aluminum base and is available in choice of four colors, plus custom colors; set off by a matte black regressed grille and canopy. Material: Aluminum.

X46-A: satin aluminum and black
X46-G: bronze green and black
X46-B: dura bronze and black
X46-W: satin white and black







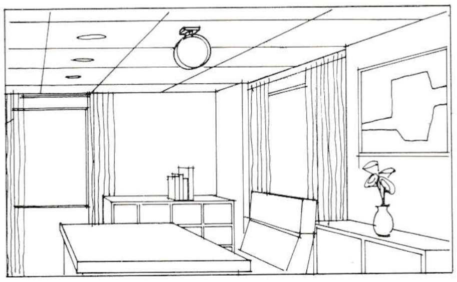
Available with swivel mount on request.

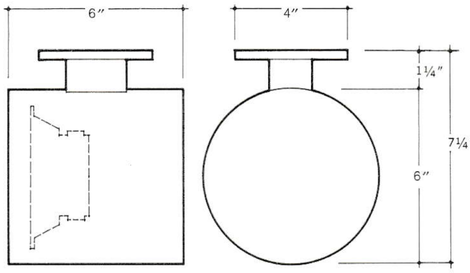
X45

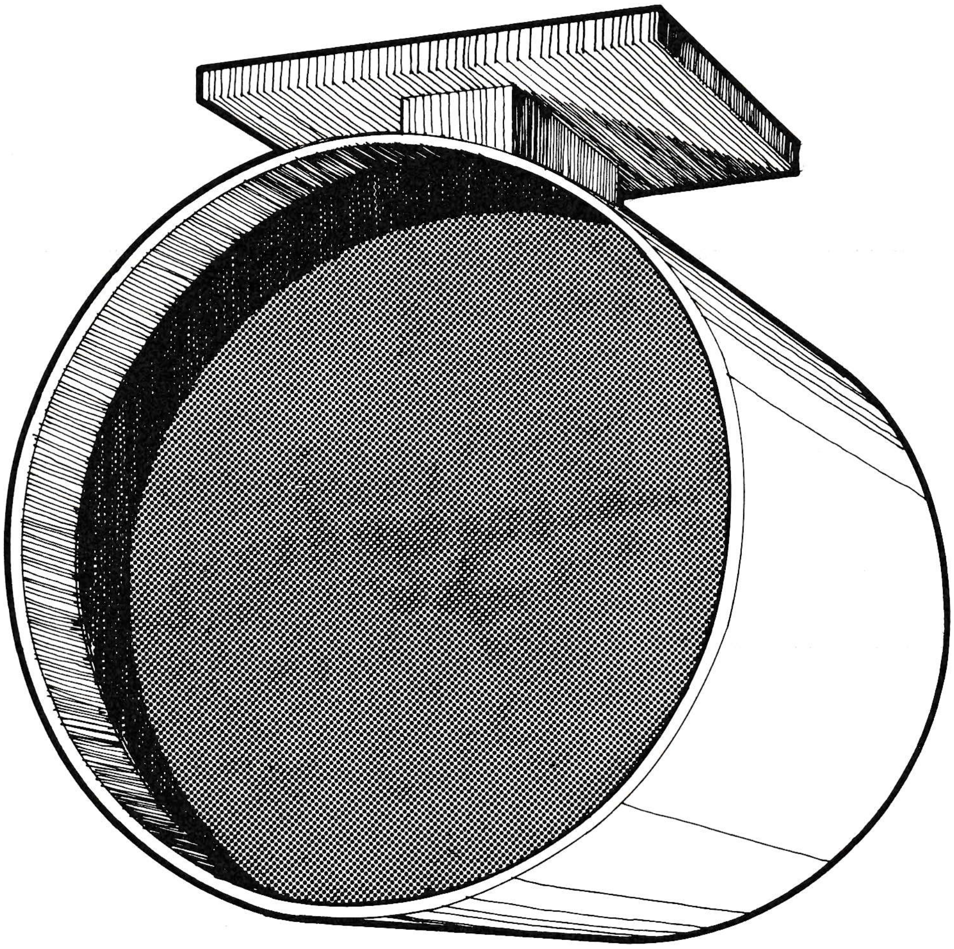
A pleasing bi-directional wall or ceiling mounted baffle. Because of its superior design and lack of visible mounting hardware, it's well suited for hallways and corridor applications, as well as assembly areas.

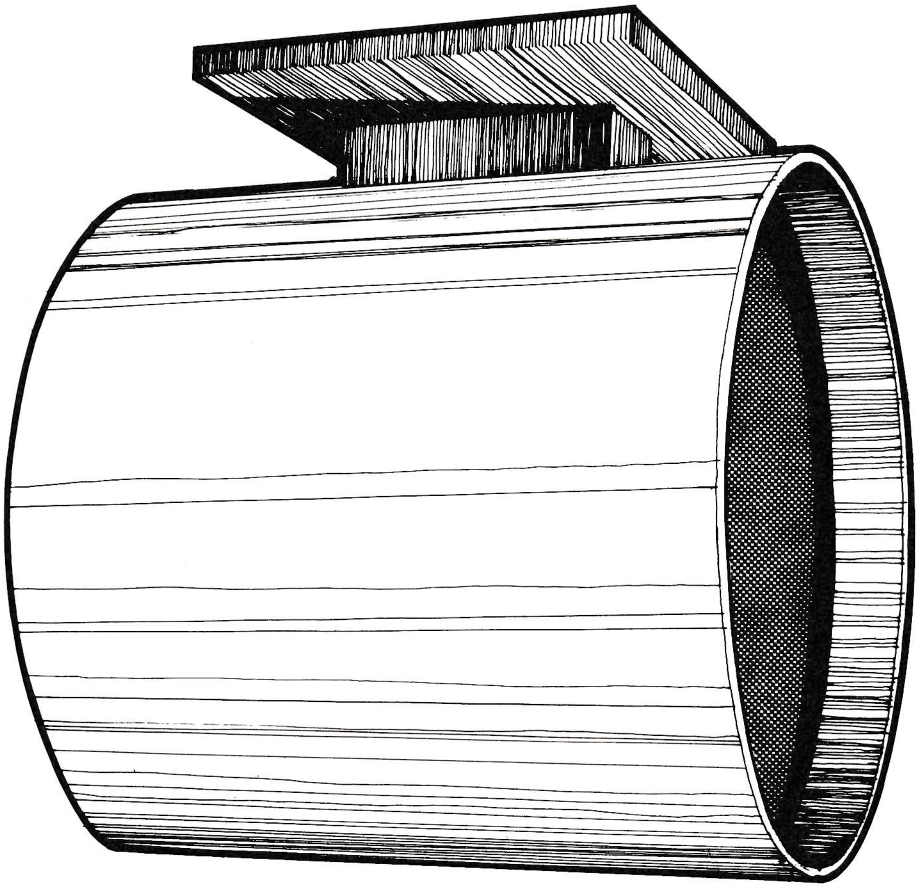
The X45 features matte black regressed grille, and is available in four decorator colors, as well as custom colors to your specifications. Material: Aluminum.

X45-A: satin aluminum and black
X45-G: bronze green and black
X45-B: dura bronze and black
X45-W: satin white and black







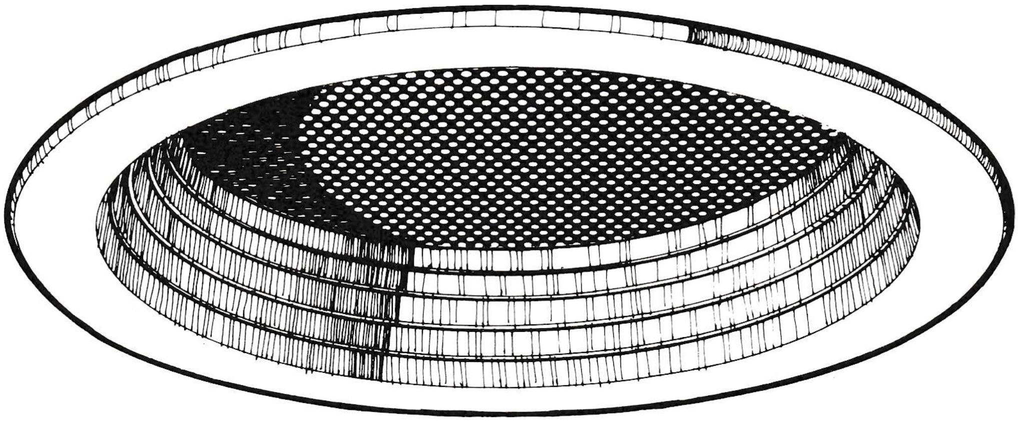


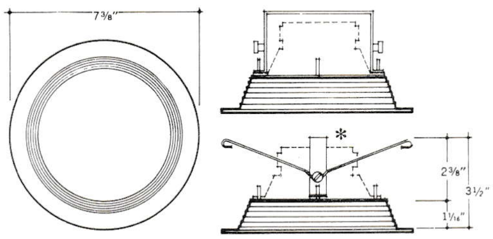
The following 4+ Baffles coordinate with standard Soundolier 8″ baffles.

T730-4

This handsome, two-tone recessed ceiling baffle has been designed to simulate the style of many recessed lighting fixtures, facilitating complete ceiling continuity. A clean, overall appearance is heightened by the use of torsion spring mountings, thus eliminating the need for mounting holes.

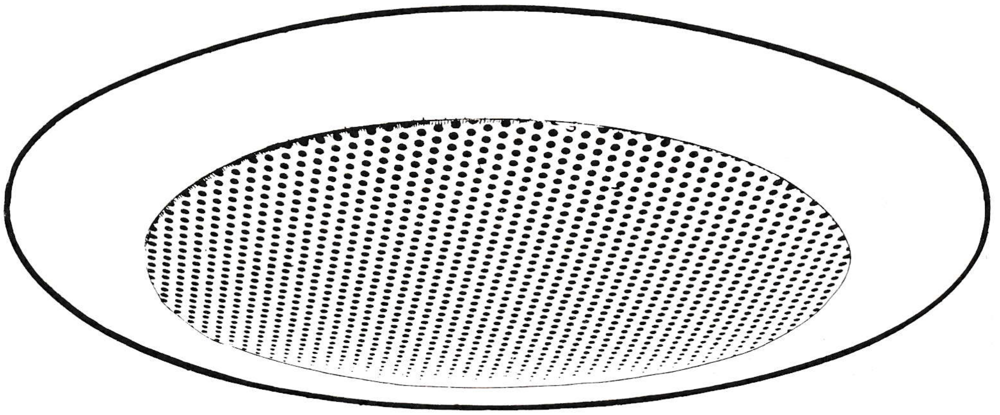
The T730-4 is available with satin black matte or charcoal grey regressed interior to contrast beautifully with its polar white rim. Material: Cold Rolled Steel. Mounts to: E49, PR412.
T730-4B: satin black and white.
T730-4G: charcoal grey and white.

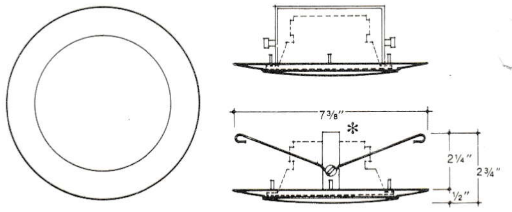




T720-4

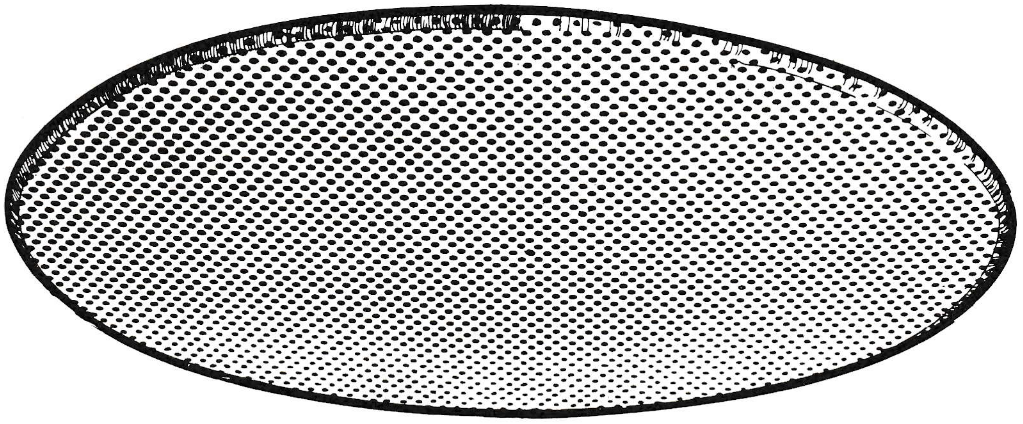
A graceful all-white contour ceiling baffle. Specifically created to permit a cohesive ceiling continuity with detailing similar to popular modern lighting fixture trims and torsion spring mounting system to eliminate any exposed ceiling hardware. Material: Cold Rolled Steel. Mounts to: E410, PR411.

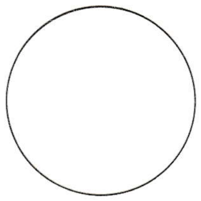


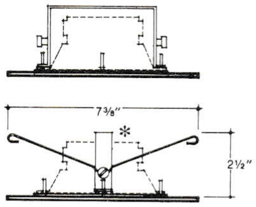


T710-4

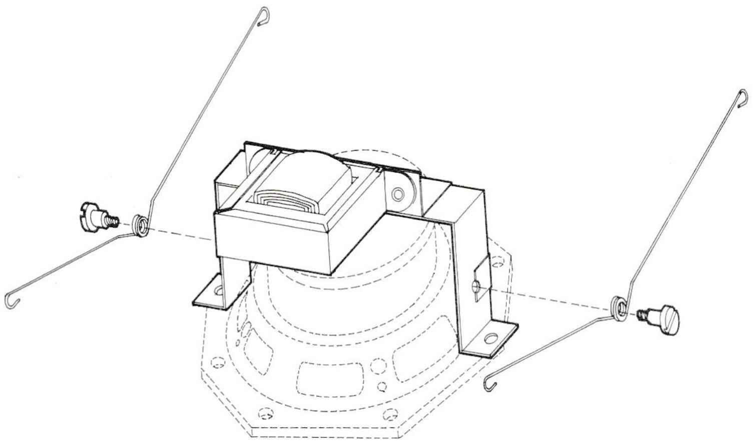
This white baked enamel ceiling baffle features a totally perforated surface for maximum sound projection. Ideal for use in blown, acoustically treated ceilings. Simple, clean lines, together with torsion spring mounting assembly make it a highly desirable baffle that works inconspicuously well in a wide variety of ceiling installations. Material: Cold Rolled Steel. Mounts to: E410, PR411.





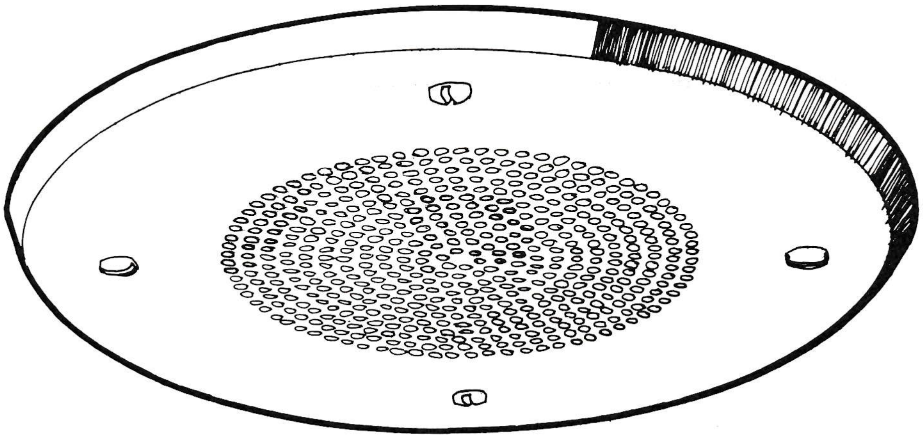


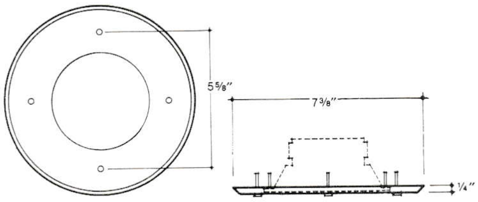
*Furnished with each Soundolier 4+ speaker FC-104 is a revolutionary new transformer/torsion spring mounting bracket. The bracket goes over the speaker to hold the transformer in the proper position. Torsion springs will be furnished with all models prefixed by T.



51-4

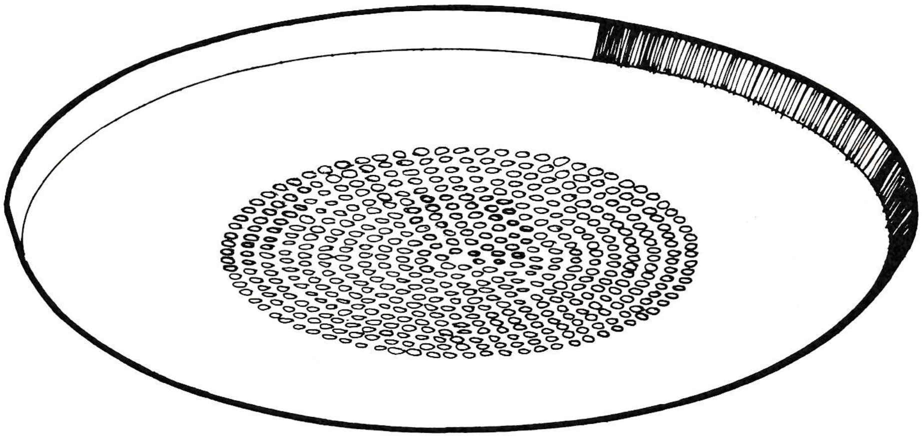
A striking and economical one-piece steel trim ring baffle. Attractive hard baked white enamel finish with speaker studs for mounting a wide variety of applications. Material: Cold Rolled Steel. Mounts to: 96-4, 96-4X, 76-4.

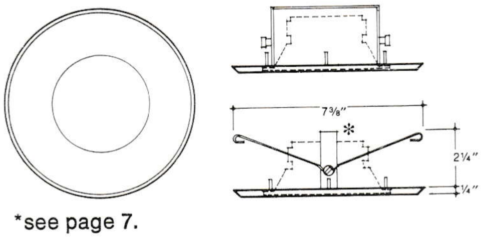




T51-4

The good looks of hard-baked white enamel on a basic, functional baffle, with torsion spring mounting bracket and no visible mounting screws. Suitable for both conventional and unconventional wall and ceiling applications. Material: Cold Rolled Steel. Mounts to: E410, PR411.

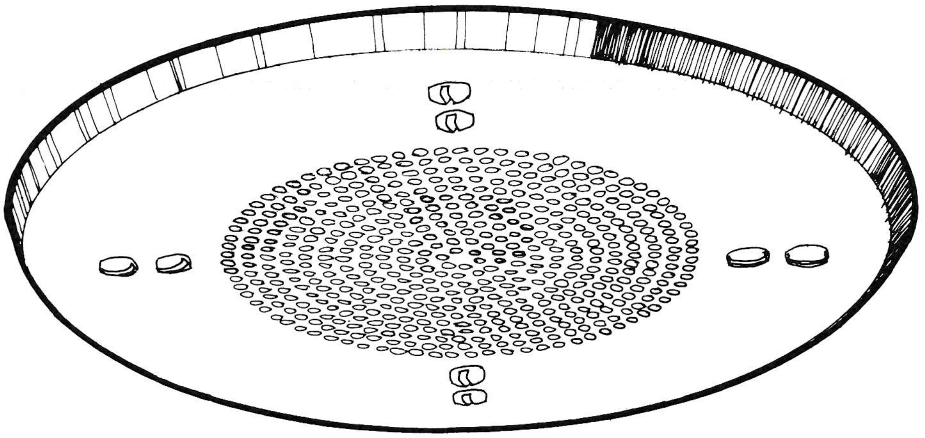


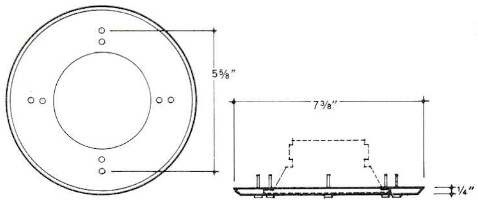


*see page 7.

60-4

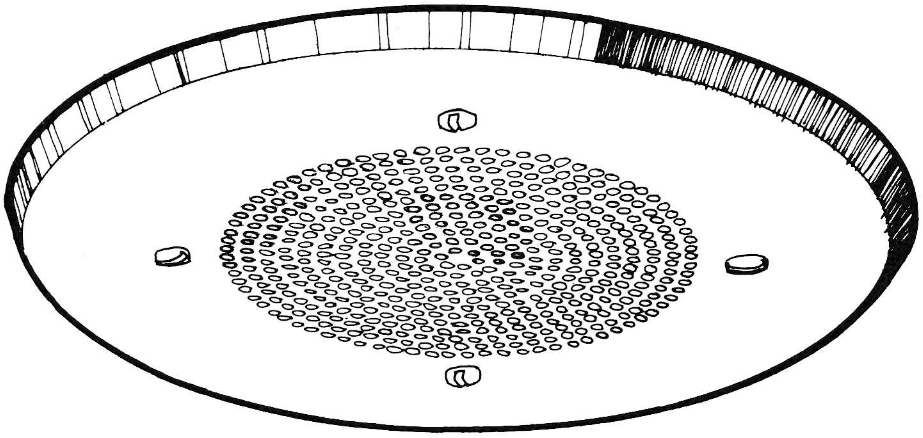
This is a beautiful, sturdy, one-piece satin brushed aluminum baffle. Its basic, simple lines complement contemporary architectural decor. Also available in satin brass and bronze to suit your specific needs Material: Aluminum. Mounts to: 96-4, 96-4X, 76-4.

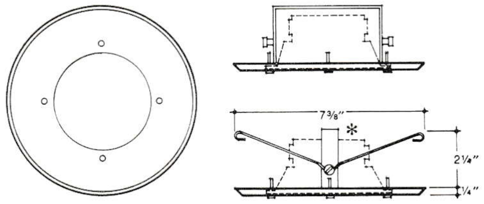




T60-4

A smart one-piece torsion spring mounted baffle. The good looks and compact size of the T60-4 can solve a great deal of design problems. Available in satin aluminum, brass and bronze finishes. Material: Aluminum. Mounts to: E410, PR411.

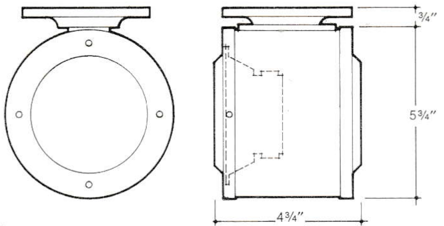


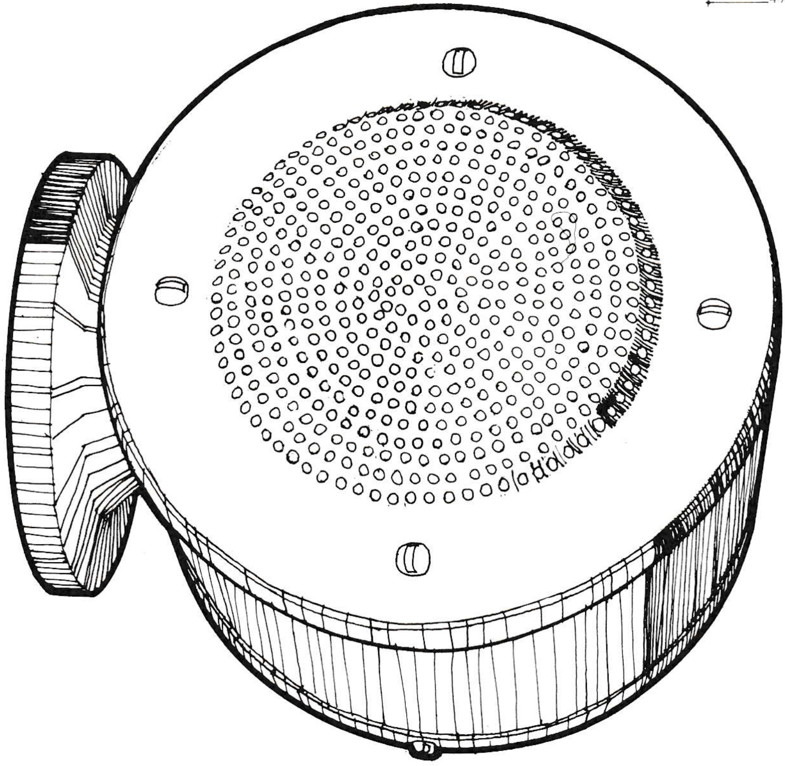


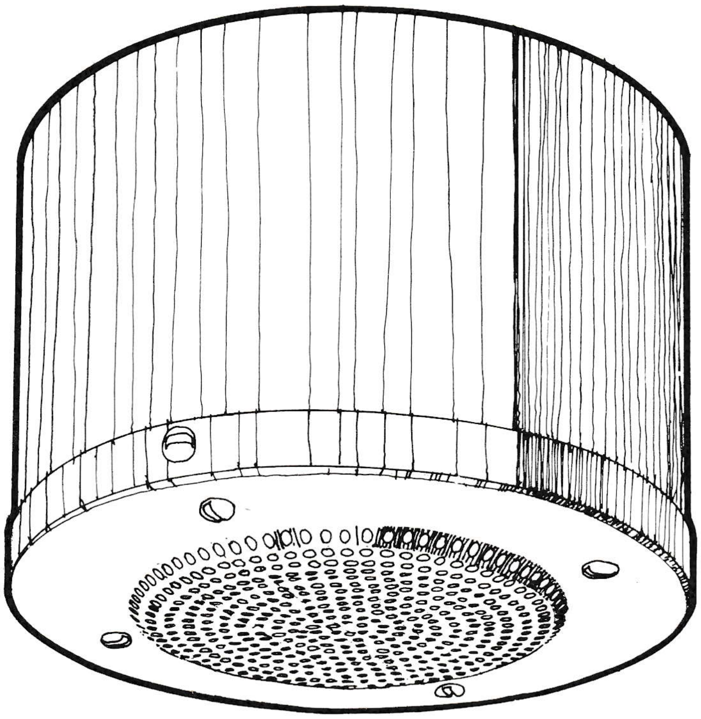
*see page 7.

510-4

A truly unique bi-directional baffle, with individualistic shape, compact size and appealing satin brushed aluminum finish. Sturdy construction makes it a highly desirable unit for a variety of applications including institutional corridors. Material: Aluminum.

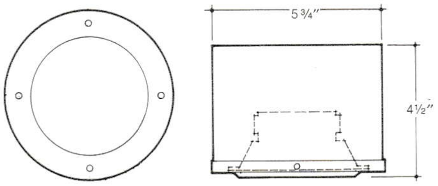






410-4

A satin brushed aluminum compact baffle that can be either wall or ceiling mounted. (Mounts to a 4" outlet box by means of keyhole slots in the rear of the housing.) Also available in satin bronze or brass finish. Material: Aluminum.



SPEAKER/BAFFLE SYSTEM TEMPORARY PRICE

Model	List	Dealer (Net)	Distr. (Net)				Std. Pkg.
			1-24	24-99	50-99	100-Up	
X44	37.08	22.25	13.35	12.68	12.02	11.12	6
X46	46.42	27.85	16.71	15.87	15.04	13.90	6
X45	45.33	27.20	16.32	15.50	14.69	13.60	6
T730-4	13.89	8.33	5.00	4.75	4.50	4.17	6
T720-4	12.50	7.50	4.50	4.28	4.05	3.75	6
T710-4	11.53	6.92	4.15	3.94	3.74	3.46	10
51-4	4.86	2.92	1.75	1.66	1.58	1.46	10
T51-4	7.64	4.58	2.75	2.61	2.48	2.29	10
60-4	4.86	2.92	1.75	1.66	1.58	1.46	20
T60-4	7.64	4.58	2.75	2.61	2.48	2.29	10
510-4	18.06	10.84	6.50	6.18	5.85	5.42	6
410-4	13.47	8.08	4.85	4.61	4.37	4.04	6
161-4	9.17	5.50	3.30	3.13	2.97	2.75	10
SE198-4	12.50	7.50	4.50	4.28	4.05	3.75	6
198-4	8.75	5.25	3.15	2.99	2.84	2.63	6
PR411	4.17	2.50	1.50	1.43	1.35	1.25	-
PR412	4.17	2.50	1.50	1.43	1.35	1.25	-
76-4	2.78	1.67	1.00	.95	.90	.83	-
96-4X	12.50	7.50	4.50	4.28	4.05	3.75	6
96-4	7.92	4.75	2.85	2.71	2.57	2.38	6
E49	16.67	10.00	6.00	5.70	5.40	5.00	5
E410	16.67	10.00	6.00	5.70	5.40	5.00	5
435-1	8.33	5.00	3.00	2.85	2.70	2.50	-
435-2	10.00	6.00	3.60	3.42	3.24	3.00	-
435-3	11.11	6.67	4.00	3.80	3.60	3.33	-
435	1.67	1.00	.60	.57	.54	.50	-

(each add'l. foot)

If you would like a copy of Soundolier's complete Sound Accessories Catalog for architects and engineers or our condensed catalog call us collect at **(314) 962-9870**; or write us, and we'll be happy to send one to your attention.

Soundolier, Inc.
9380 Watson Industrial Park
St. Louis, Missouri 63126

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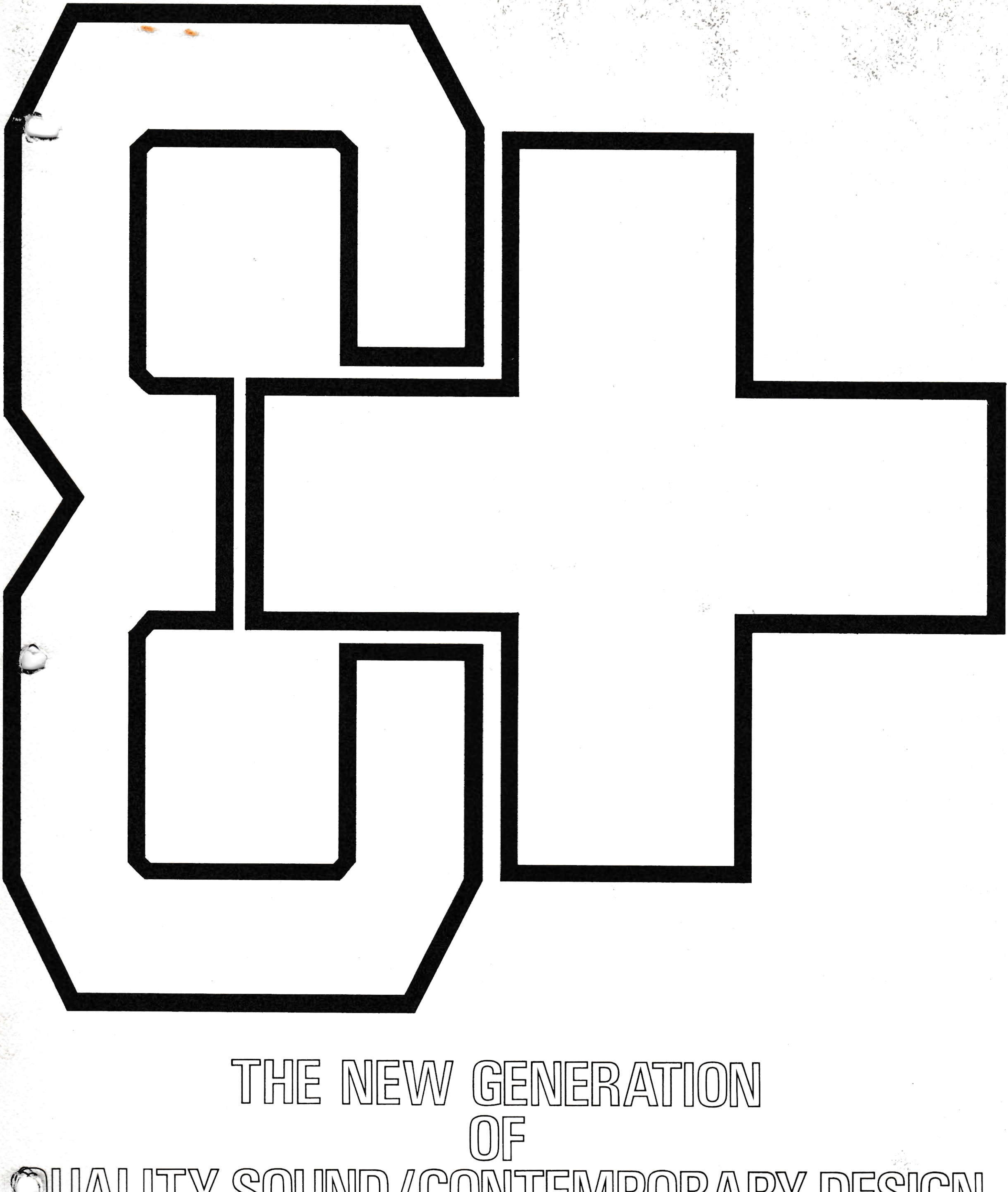
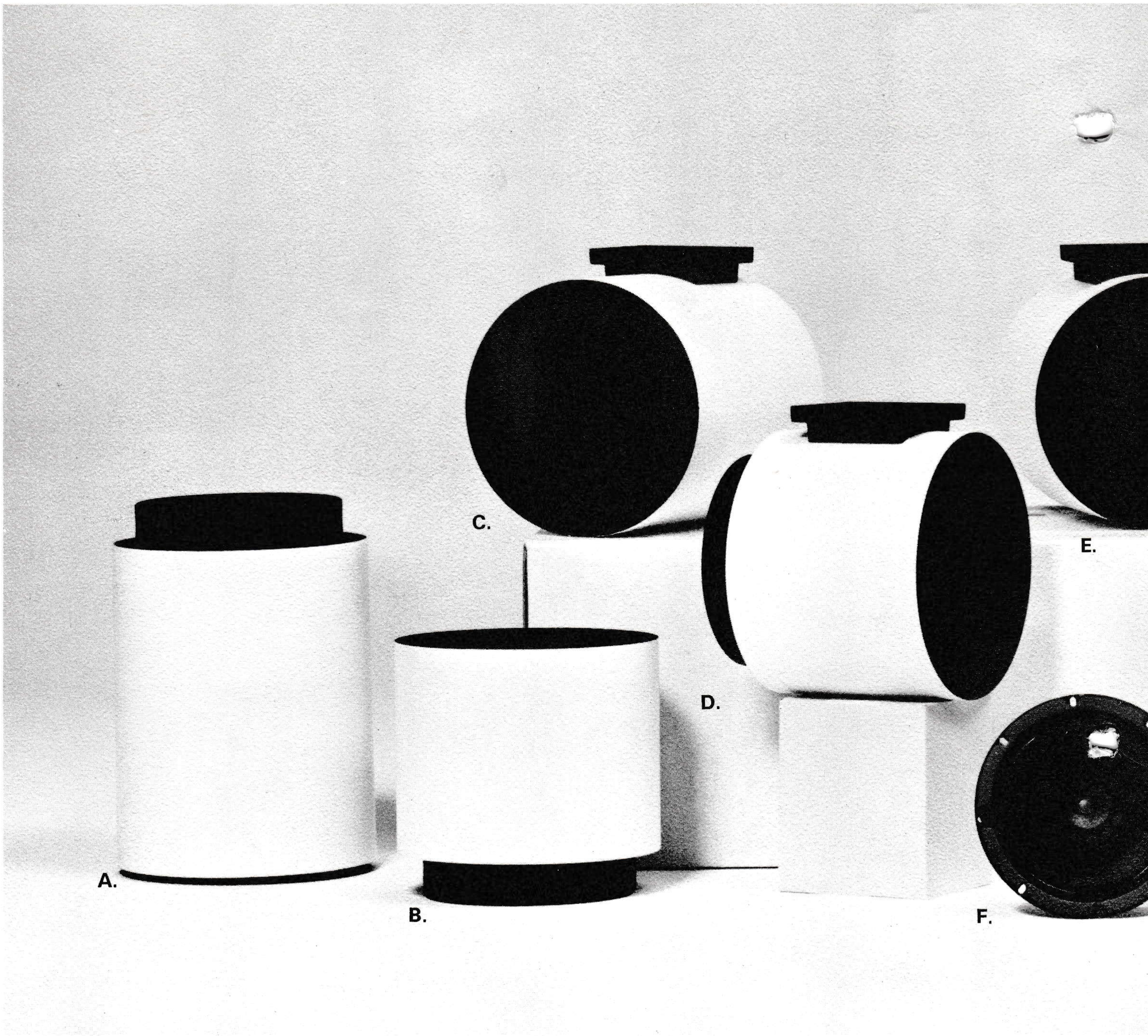


THE NEW GENERATION
OF
QUALITY SOUND/CONTEMPORARY DESIGN
BY SOUNDOLIER



INTRODUCING THE NEW 8+ SPEAKER / BAFFLE SYSTEM FOR CEILING APPLICATIONS . . . CORRIDOR SOUND . . . OVERHANGS...WHERE EVER THE CLEAN DESIGN LOOK IS NEEDED TO COMPLEMENT MODERN INTERIOR DECOR

The 8+ cylindrical baffle series offers the same innovative design and high quality workmanship as its smaller version, the 4+ series. All units are made of seamless, spun aluminum, available in four colors*, with contrasting matte black canopies and recessed grilles.

*(Use the following suffixes for ordering color — A: Satin aluminum and black; — G: Bronze green and black; — B: Dura bronze and black; — W: Satin white and black).

A. X 8414 — Surface mounted or suspended, with optional suspension hanger, series 435 . . . 10⅛″ OD x 14″ Deep.

B. X 8409 — 10-⅛″ OD x 9½″ Deep.

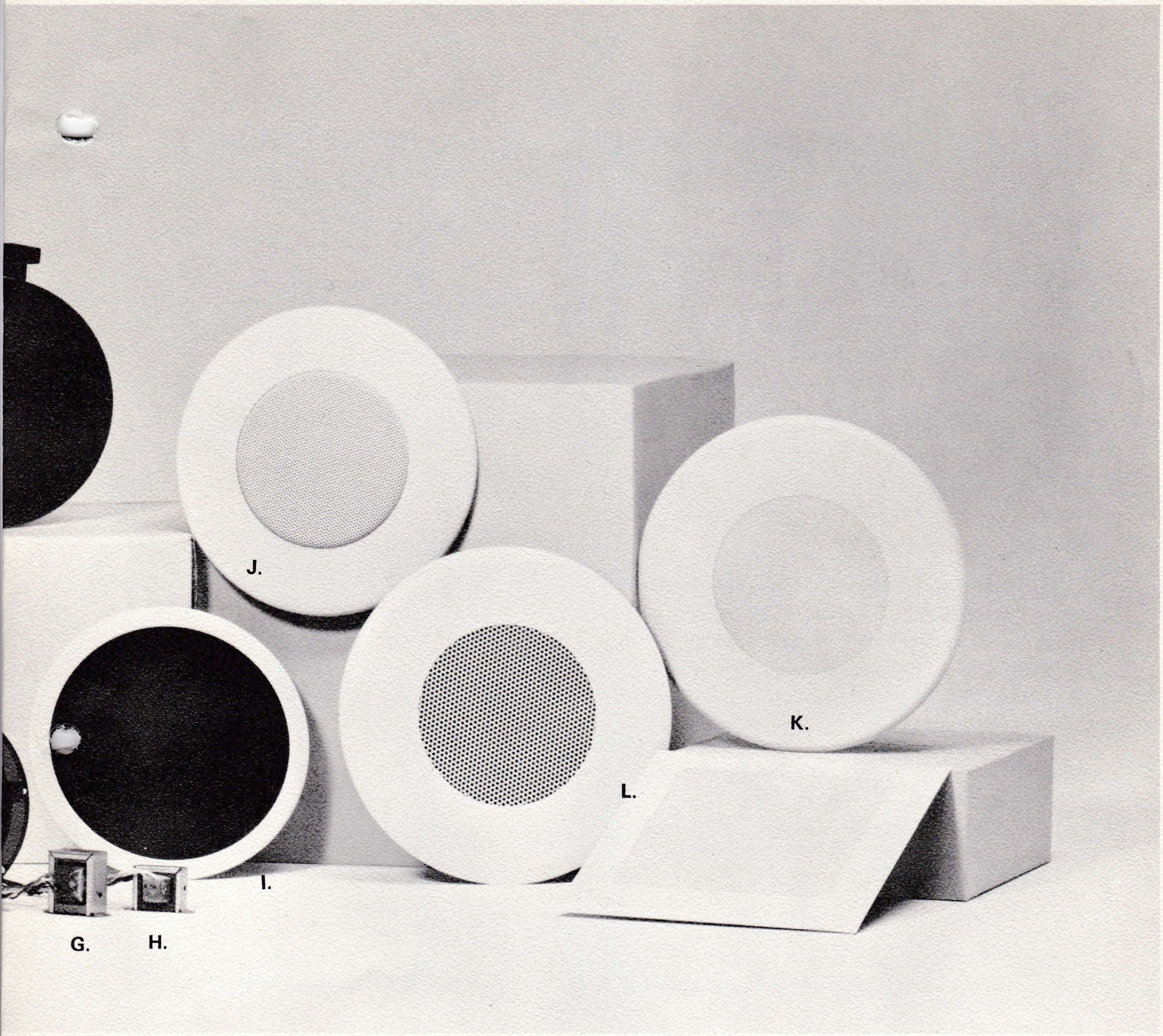
C. X 8614 — Side mounted baffle, 10⅛″ OD x 14″ Deep.

D. X 8609 — 10⅛″ OD x 9½″ Deep.

E. X 8500 — Bi-directional wall or ceiling mounted baffle . . . 10⅛″ x 8″ Deep x 11″ Projection.

Coaxial Loudspeaker — The High Quality Companion To The 8+ Baffle Series

F. C 803 — A full range co[illegible]al speaker, combines a full size 8″ low frequency reproducer with a 3″ high frequency reproducer.



Full Range Line 8 Watt And 4 Watt Transformers For 8+ Quality Performance . . .

Low Insertion Loss And Excellent Frequency Response.

G. HT-87 (-82) 8 watt transformers. HT-87 designed for 70.7 volt lines, HT-82 for 25 volt lines.

H. HT-47 (-42) 4 watt transformers. HT-47 designed for 70.7 volt lines, HT-42 for 25 volt lines.

Round Recessed Grilles—The Finishing Touch For 8+ Good Looks

I. T-730-8 Grille — Ideally suited for the 8+ series, or uncluttered ceiling requirements. Adapts to any 8″ speaker as well. Finished with white trim and recessed black (T730-8B) or gray (T730-8G) grille.

J. T-720-8 Grille—Attractive, all white grille, with slightly raised screen section for sculptured look.

K. T-710-8 Grille — Features all-perforated screen design. Torsion spring device mounts grille to enclosure, eliminating all visible hardware. Finished in matte white.

L. T-610-8 Round Grille & T-620-8 Square Grille — Both, quality trim rings with torsion spring mounting. The standard finish for the T620-8 is matte white. The T610-8 is finished in brushed steel or matte white (shown, specify T-610-8W.)

8+ SERIES GOOD LOOKS IN A SMALL PACKAGE

The 8+ series is a natural outgrowth of the 4+. The quick, enthusiastic reception of the 4+ by the sound industry almost demanded development and the early release of the larger version.

The 4+ baffle/speaker system continues to grow in popularity as its many uses are discovered by architects, engineers and commercial sound distributors alike.

If you happen to be one of the few who still haven't heard about 4+, you may obtain complete specifications and information about a wide assortment of 4+ accessories by writing: Soundolier, Inc. / 9380 Watson Industrial Park / St. Louis, MO 63126 / Attn: Advertising Dept.

Where Interior Design Demands The Best That Commercial Sound Has To Offer — 8+ and 4+ are the Answer

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DISTRIBUTOR NET
PRICE SHEET
FEBRUARY 1976

NEW Soundolier 8+ Series

8+ CYLINDRICAL BAFFLES

MODEL	STD. PKG.	LIST	DEALER NET	DISTRIBUTOR NET			
				1-24	24-49	50-99	100 Up
X8414	2	$62.67	$37.60	$22.56	$21.43	$20.30	$18.80
X8409	4	53.92	32.35	19.41	18.44	17.47	16.18
X8500	4	85.58	51.35	30.81	29.27	27.73	25.68
X8614	2	82.00	49.20	29.52	28.04	26.57	24.60
X8609	4	73.92	44.35	26.61	25.28	23.95	22.18

Freight Policy A
Prices shown are distributor net.
No further discounts apply.

COMPANION HIGH QUALITY GRILLES

MODEL	STD. PKG	LIST	DEALER NET	DIST. NET
T710-8	—	$16.50	$9.90	$5.94
T720-8	—	13.89	8.33	5.00
T730-8	—	15.56	9.34	5.60
T610-8	—	10.14	6.08	3.65
T620-8	—	11.81	7.09	4.25

Freight Policy A
Net order $750 receives discount 60-10-10%.
Net order $1500 receives discount 70%, baffle section products only can be combined for discount.

8″ COAXIAL LOUDSPEAKER

MODEL NO.	DESCRIPTION	STD. PKG.	LIST	DEALER	DISTRIBUTOR NET		
					16-128	144-464	480 up
C803	8″ Coaxial Loudspeaker	16	$27.33	$16.40	$ 9.84	$ 9.23	$ 8.61
C803-T87	8″ Coaxial Loudspeaker with HT-87 Transformer	8	42.28	25.37	15.22	14.27	13.31
C803-T82	8″ Coaxial Loudspeaker with HT-82 Transformer	8	42.28	25.37	15.22	14.27	13.31
C803-T47	8″ Coaxial Loudspeaker with HT-47 Transformer	16	37.92	22.75	13.65	12.80	11.94
C803-T42	8″ Coaxial Loudspeaker with HT-42 Transformer	16	37.92	22.75	13.65	12.80	11.94

Prices shown are Distributor Net.
No further discounts apply.
Freight Policy D —
Freight Allowed $3.00/cwt. for 144 speakers or more.

TRANSFORMERS

MODEL NO	DESCRIPTION	STD. PKG.	LIST	DEALER	LESS THAN STD CARTON	DISTRIBUTOR NET			
						6-96	102-252	258-360	366 up
HT-87	8 Watt Audio Grade Transformer; 70.7 V Primary	6	$14.00	$8.40	$5.54	$5.04	$4.87	$4.71	$4.57
HT-82	8 Watt Audio Grade Transformer; 25 V Primary	6	14.00	8.40	5.54	5.04	4.87	4.71	4.57
HT-47	4 Watt Audio Grade Transformer; 70.7 V Primary	6	10.53	6.32	4.17	3.79	3.67	3.56	3.44
HT-42	4 Watt Audio Grade Transformer; 25 V Primary	6	10.53	6.32	4.17	3.79	3.67	3.56	3.44

Prices shown are Distributor Net
No further discounts apply
Freight Policy C — F.O.B. St. Louis, Mo.

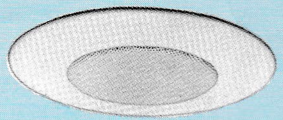
PRINTED IN U.S.A.

RECESSED TORSION SPRING BAFFLE

The T730-8 is a superbly designed grille featuring a two-tone finish — matte white outer trim with contrasting grey finish on the inner regressed steps. This outstanding grille is completely welded thus eliminating vibration and rattle. Torsion springs are supplied for mounting to either a recessed enclosure or mounting ring, thus eliminating unsightly mounting holes. Will accommodate any standard 8″ speaker.

Cat. No.	Encl.	Pl. Ring	Diam
T730-8	T195-8	T175-8	11″

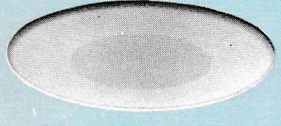
RECESSED TORSION SPRING BAFFLE



The T720-8 is an attractive recessed grille designed for use with any standard 8″ speaker. The modern contour design plus the use of torsion springs, which eliminates all visible hardware, makes this grille ideal for the progressive sound specialist. The grille is completely welded thus eliminating vibration. Finish is baked white enamel. Will mount to either a recessed enclosure or mounting ring.

Cat. No.	Encl.	Pl. Ring	Diam
T720-8	T95-8	T75-8	12″

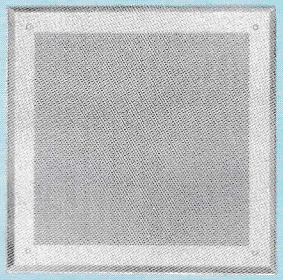
RECESSED TORSION SPRING BAFFLE



Model T710-8 is a torsion spring mounting grille featuring an all-perforated screen design. This attractive grille is constructed of sturdy cold rolled steel with a baked white enamel finish. Speaker mounts to grille by means of welded studs on rear of grille. Will mount to either a recessed enclosure or mounting ring. Will accommodate any standard 8″ speaker.

Cat. No.	Encl.	Pl. Ring	Diam
T710-8	T95-8	T75-8	12¾″

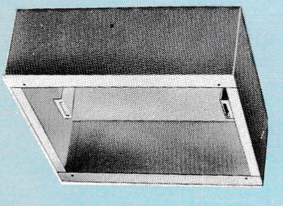
TRIM SQUARE



The 170-8 is an attractive steel trim square designed for recessed installations in either ceilings or walls. The complete assembly consists of the front grille and a separate mounting plate, thus preventing bass leaks. 4 welded studs are provided on the subplate for attaching speaker. Front grille has a beveled edge and finished in white baked enamel. Will accommodate any standard 8″ speaker.

Cat. No.	Encl.	Pl. Ring	Dim.
170-8	95-8, 96-8, 199-8, 199-8-5	75-8, 76-8 P77-8, P78-8	13⅛″ x 13⅛″

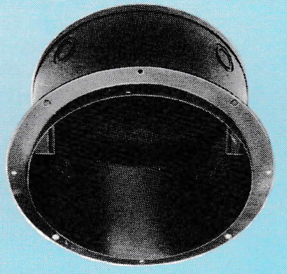
SURFACE ENCLOSURE



Model SE175-4 is a surface mount ceiling baffle constructed of 20 gauge C. R. S. and finished in baked white enamel. This attractive, functional box has provisions for accommodating either a conventional screw type trim square or a torsion spring trim square. **User must order trim square separately.** Complete hardware included.

Cat. No.	Will accommodate grille	Dim.
SE175-4	161-8, T620-8	11⅝″ x 11⅝″ x 4″ deep

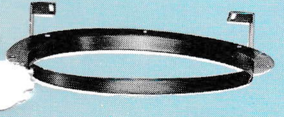
TORSION SPRING PROTECTIVE ENCLOSURE



Model T195-8 is a welded cylindrical protective enclosure which is undercoated and contains four triple compound knock-outs. Enclosure has provisions for accepting torsion spring baffle. Enclosure is constructed of heavy gauge steel and protected with rust preventative coating.

Cat. No.	I.D.	Depth
T195-8	9⅞″	6″

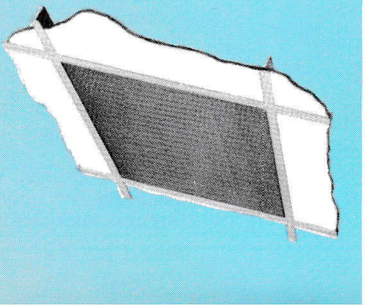
TORSION SPRING PLASTER RING



Model T175-8 is a mounting ring designed for use with torsion springs. Ring is constructed of sturdy steel and protected with rust preventative coating.

Cat. No.	I. D.
T175-8	9⅞″

2′ x 2′ LAY-IN GRID BAFFLE



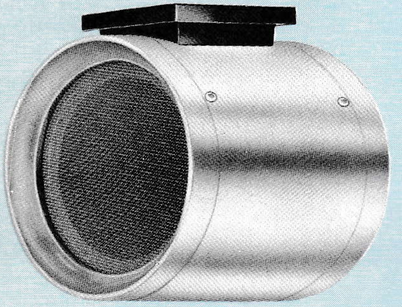
Model G22-8 is a new concept in ceiling baffles — a 2′ x 2′ **lay-in grille** for use with exposed T-Grid suspension ceiling systems. This attractive grille, which replaces a 2′ x 2′ tile in the ceiling, features an all perforated front design, with a sub-plate for attaching the speaker and mounting to back enclosure. Finish is matte white baked enamel with **no visible hardware.**

Cat. No.	Enclosure	Dimensions
G22-8	95-8, 199-8	23¾″ x 23¾″ x ½″

VANDAL PROOF BAFFLES

MODEL VP510-B

BI DIRECTIONAL



MODEL VP510-B

Model VP510-B is a unique bi-directional baffle which features vandal-proof construction and vandal-proof design. The housing is constructed of 11 gauge tempered aluminum plate, rolled and heliarc welded for maximum strength and rigidity. In addition to this extremely sturdy housing, the speaker grilles located on each end of the housing, are cast from a high tensile, self-aging aluminum alloy, which has a tensile strength of 44,000 lbs. P.S.I. — twice that of conventional aluminum castings.

For added security, the screen used in the speaker grille section, is fabricated of a special stainless steel woven wire mesh. This screen will eliminate any possibility of rupturing to gain access to the speaker cone. The canopy used for mounting to a standard electrical box, is also cast of heavy aluminum.

Total security is completed by use of special heat treated alloy tamper proof screws. A special wrench will be supplied with each shipment.

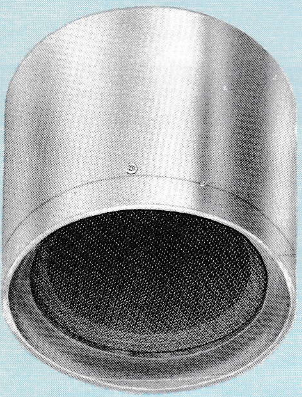
The housing is finished in a beautiful satin aluminum with a clear baked epoxy coating. The canopy is a contrasting satin black baked enamel.

Model VP510-B is designed for use with any standard 8″ loudspeaker. SOUNDOLIER can furnish as optional equipment, special adapter rings designed for mounting various horns instead of a conventional cone speaker. Consult specification sheet for details.

Model No.	Mounting	Dimensions
VP510-B	Bi-directional ceiling or wall mounting	10″ dia. x 8″ deep x 11″ projection

MODEL VP410-S

SURFACE



MODEL VP410-S

Model VP410-S is a vandal-proof surface mounted ceiling or wall baffle designed for use with any standard 8″ loudspeaker. The housing is constructed of 11 gauge tempered aluminum plate, rolled and heliarc welded for maximum strength and rigidity. In addition to this extremely sturdy housing, the speaker grille section is cast from a high tensile, self-aging aluminum alloy, having a tensile strength of 44,000 lbs. P.S.I. — twice that of conventional aluminum castings. To prevent access to the speaker cone, a special stainless steel woven wire mesh is incorporated into the speaker grille, for added security.

This uni-directional baffle can be mounted to a standard electric outlet box by means of keyhole slots located on the rear of the housing. Additional mounting holes are also provided to permit mounting to the structural part of a building by means of anchors. To prevent any possibility of tampering from the rear of the baffle, the rear has been heliarc welded and slightly regressed to permit the edges of the baffle to be drawn tightly against the ceiling.

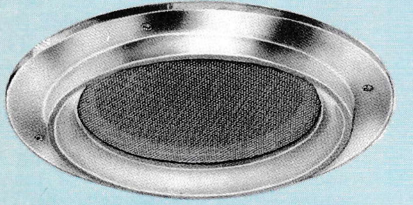
Total security is completed by use of special heat treated alloy tamper-proof screws. A special wrench will be supplied with each shipment.
The baffle is finished in a beautiful satin aluminum with a clear baked epoxy coating.

SOUNDOLIER can furnish as optional equipment, special adapter rings for mounting various horns instead of a conventional cone speaker. Consult specification sheet for details.

Model No.	Mounting	Dimensions
VP410-S	Ceiling or wall	10″ dia. x 7″ deep

MODEL VP60-R

RECESSED



MODEL VP60-R

Model VP60-R is a truly vandal-proof recessed grille designed for use with any standard 8″ loudspeaker. This attractive grille offers total security from direct blows to the grille or tampering to gain access to the speaker. This security is accomplished by use of a casting of a high tensile, self-aging aluminum alloy, which has a tensile strength of 44,000 lbs. P.S.I. — twice that of conventional aluminum castings. In addition, the speaker screen is a special stainless steel woven wire mesh, impervious to direct blows, thus preventing damage to the speaker cone.

Total security is completed by use of special heat-treated alloy tamper-proof screws. A special wrench will be supplied with each shipment.

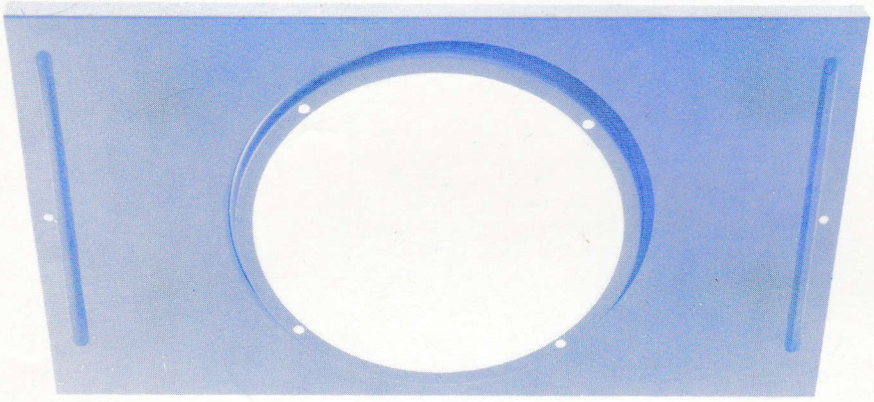
Finish is satin aluminum with a clear baked epoxy finish.

SOUNDOLIER can furnish as optional equipment, special adapter rings designed for mounting various horns instead of a conventional cone speaker. Consult specification sheet for details.

Model No.	Mounting	Enclosure	Dimensions
VP60-R	Recessed	96-8	12¾″ dia. x 1″ deep

NEW

FROM SOUNDOLIER, INC.
MODEL 81-8
T-BAR BRIDGE



SUPPORT WHERE YOU NEED IT

The new model 81-8 T-Bar Bridge is Soundolier's answer to the "ceiling tile sag" problem that usually accompanies speaker installations in suspended ceiling jobs. Soundolier's T-Bar Bridge combines dependable, firm mounting support with a simple design feature that cuts installation time in half.

FEATURES:

- Sturdy 24 gauge CRS construction helps meet new fire codes
- Galvanized rust-resistant finish
- Lightweight, die-formed ribbed construction and 5/8″ folded edge completely eliminates troublesome "tile sag"
- Sized for quick, standard ceiling installation 23-11/16″ x 13⅜″.
- One-piece construction, comes out of carton ready to install
- Mounts these popular Soundolier 8″ baffle models:

51-8	61-8	67-8	170-8
60-8	62-8	68-8	M222
P900			

EASY TO INSTALL

Simply cut a 12″ hole in the tile and place the 81-8 T-Bar Bridge on top of the ceiling tile. The baffle with speaker attached mounts directly to the 81-8.

SPECIAL INTRODUCTORY OFFER **$1.25**
(offer expires March 31, 1976)
(20 pc. minimum)

REGULAR DISTRIBUTOR NET **$1.45**

PRICE SCHEDULE	DIST. NET
1 - 59 pieces	$1.45
60 - 199 pieces	$1.35
200 - 499 pieces	$1.25
500 pieces & over	$1.15

Standard Carton — 20 pieces
Cartons can not be broken.

ADDITIONAL WEIGHT BEARING FEATURES

When unusually heavy speakers and transformers are used, additional weight bearing may be accomplished by using Soundolier's 48″ channel supports. This permits weight distribution to the 48″ grid member as well as the 24″ grid member. Order channel support model 180-4. (Sold in pairs)

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SL 1130

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NOW!
A square speaker baffle system for concealed spline ceilings

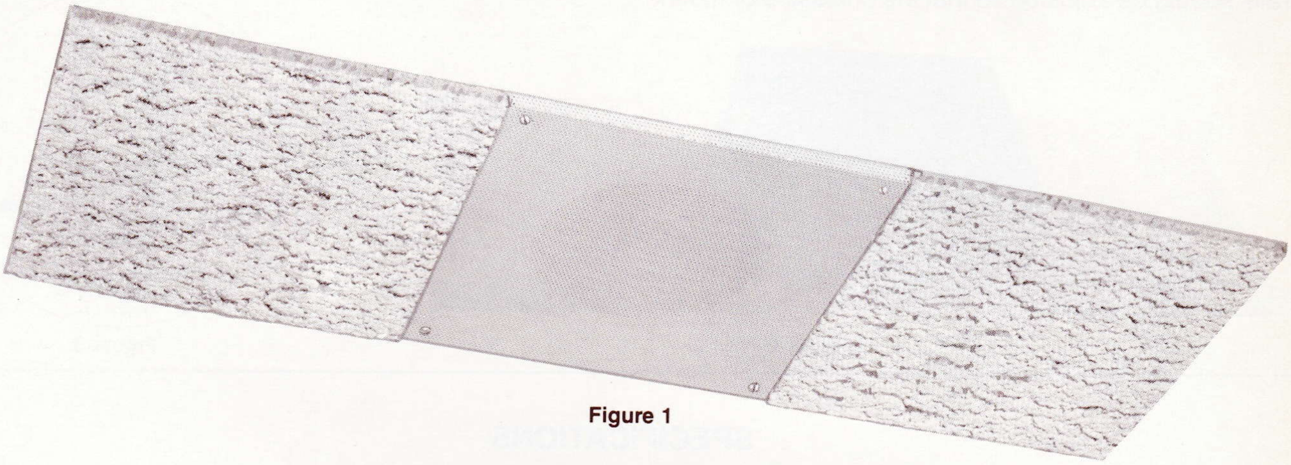
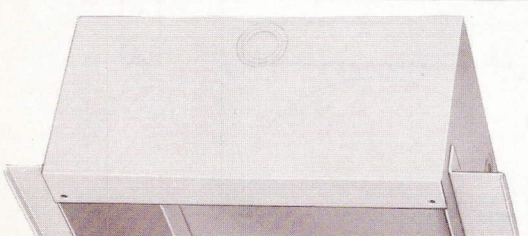


Figure 1

soundolier

- **Designed for Concealed Spline Ceiling Systems**
- **Sound Absorbant Material Used Throughout to Prevent Rattle**
- **Grille Becomes Integral Part of Ceiling Surface**

Model No. 16-8/16-4



Model No. 185-SL

Today's modern office interiors are designed from a "systems" approach. The furnishings, floor covering and ceiling are chosen with an overall office design concept in mind. As a result, concealed spline ceiling systems have become popular due to the continuity of surface design without distracting visable support bars.

Soundolier's new grille Models 16-8 and 16-4 with encosure Model 185-SL are specifically designed for most concealed spline ceiling systems; including the offset Z-bar type. Now your installations can have the "systems" look by becoming an integral part of the ceiling surface. The attractive grille blends well with any interior decor (see figure 1).

Soundolier has designed and engineered the 16-Series grilles and 185-SL enclosure combination as a system. Problems of metal rattle have been eliminated through the application of absorbant material at points of metal to metal contact. Metal resonance has been eliminated by applying acoustical deadener to the interior of the enclosure (NOTE: A mounting frame is also available, specify Model 74-SL). All in all, a quality speaker baffle system designed and engineered by Soundolier.

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TWX 910-761-1650

SL 1163

INSTALLATION NOTES

Soundolier's new 16-8 and 16-4 grilles and 185-SL enclosure (74-SL mounting frame) are installed by supporting the enclosure or mounting frame on the main support bars of the concealed spline ceiling via the enclosure mounting rails (see figure 2). The mounting rails should be adjusted so that the enclosure or mounting frame is positioned just above the spline, but not touching it. The enclosure is now ready to mount the grille. After the grille is mounted, the ceiling spline should be positioned between the grille and enclosure (see figure 3).

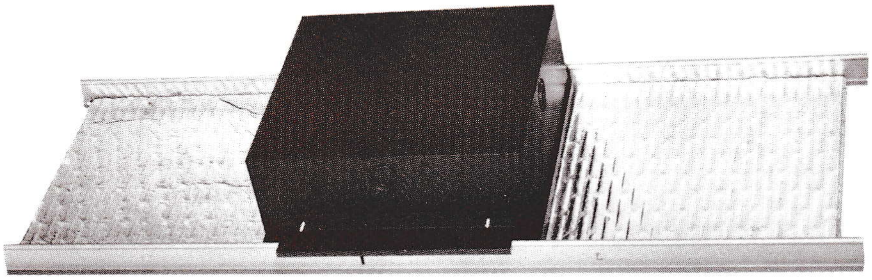


Figure 2

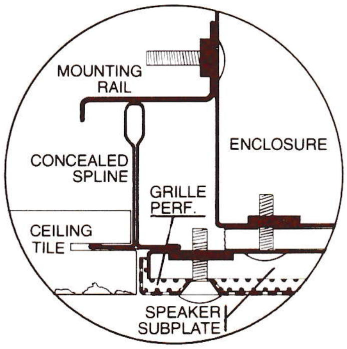
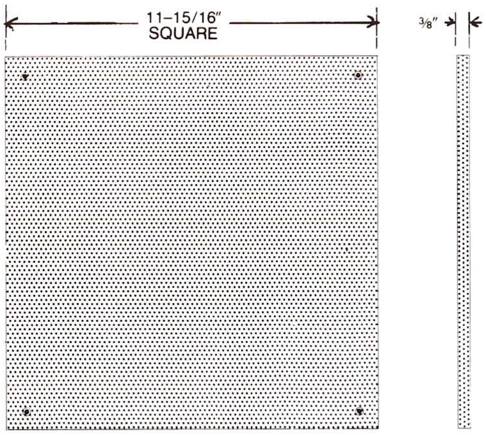

MOUNTING RAIL
ENCLOSURE
CONCEALED SPLINE
GRILLE PERF.
CEILING TILE
SPEAKER SUBPLATE

Figure 3

SPECIFICATIONS

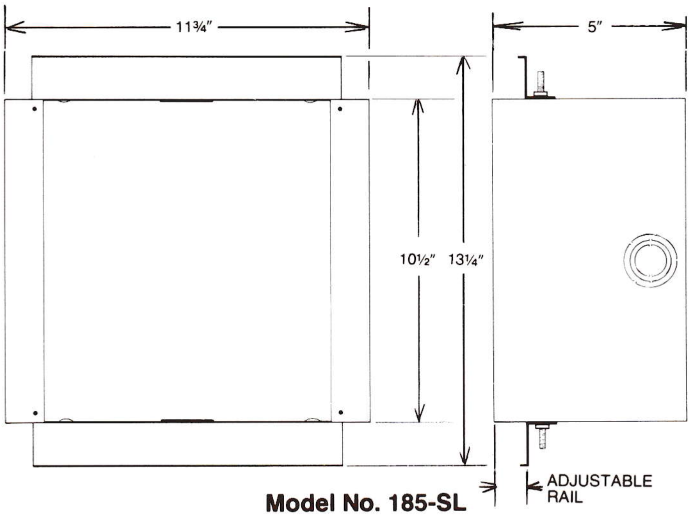

11-15/16" SQUARE
3/8"

Model No. 16-8/16-4

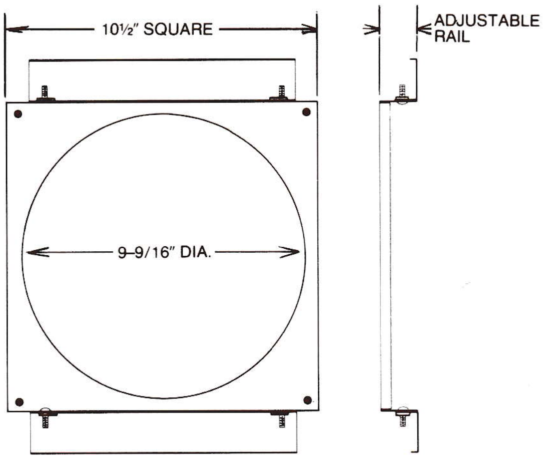
Model 16-8 and 16-4 concealed spline ceiling grilles are manufactured of a 20 gauge CRS speaker subplate with 22 gauge CRS perforated trim grille. The trim grille is painted with a textured white baking enamel with a white semi-gloss speaker subplate. All necessary mounting hardware is included.

Model 185-SL enclosure and 74-SL mounting frame are manufactured of 18 gauge CRS. The enclosure is treated with acoustical deadener to prevent metal resonance and both the enclosure and mounting frame have absorbant material at points of metal to metal contact with the grille.

MODEL NO.	SPEAKER SIZE	MOUNTING FRAME	ENCLOSURE
16-4	4"	74-SL	185-SL
16-8	8"	74-SL	185-SL


11¾"
5"
10½"
13¼"
ADJUSTABLE RAIL

Model No. 185-SL


10½" SQUARE
ADJUSTABLE RAIL
9-9/16" DIA.

Model No. 74-SL

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DISTRIBUTOR NET

PRICE LIST

FEBRUARY, 1977

NEW!

Speaker Baffle System for Concealed Spline Ceilings

Freight Policy A

Net order $750 receives discount 60-10-10%.

Net order $1500 receives discount 70%, baffle section products only can be combined for discount.

Model No.	Description	List	Dealer Net	DISTRIBUTOR NET
16-4	Square grille for 4″ speaker	16.81	10.09	6.05
16-8	Square grille for 8″ speaker	16.81	10.09	6.05
185-SL	Enclosure for 16-4 & 16-8 grilles	18.33	11.00	6.60
74-SL	Mounting Frame for 16-4 & 16-8 grilles	7.78	4.67	2.80

High Quality Transformers

Freight Policy C

Prices shown are distributor net. No further discounts apply.

HT167	16 watt line transformer, 70.7V	37.86	22.72	13.63
HT327	32 watt line transformer, 70.7V	54.17	32.50	19.50
AF140	140 watt autotransformer	54.17	32.50	19.50

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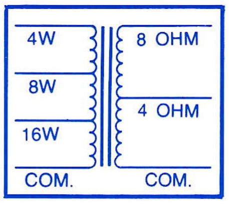
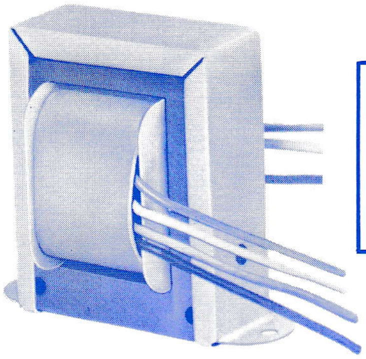
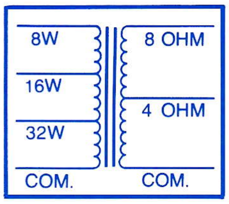
NEW soundolier

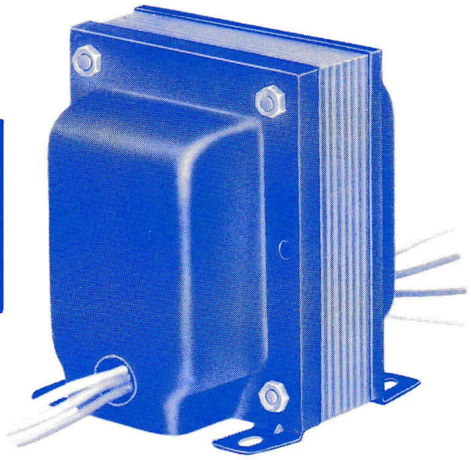
HIGH QUALITY 16 & 32 WATT LINE TRANSFORMERS...





HT167





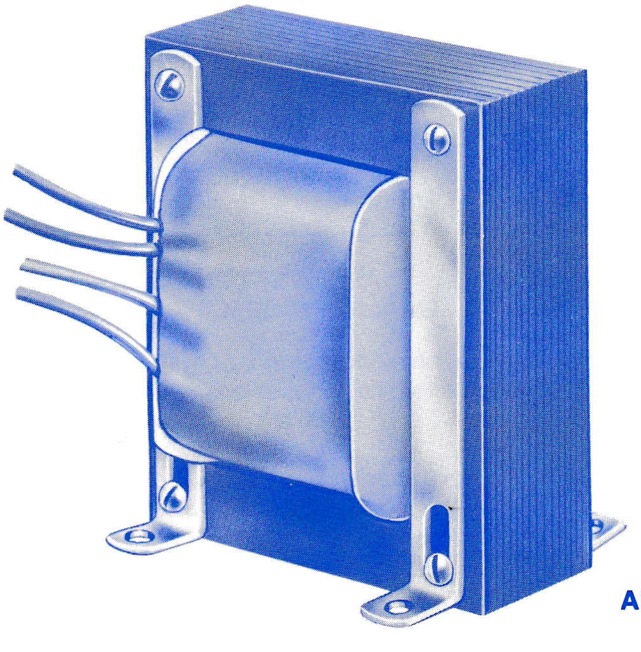
HT327

Models HT167 and HT327 are high quality 16 watt and 32 watt line transformers respectively. Each unit is constructed of audio grade laminations and is designed for 70.7 volt speaker line operation.

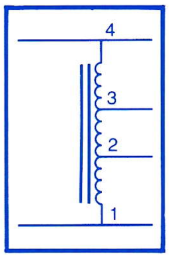
Model HT167 has primary taps at 4, 8 and 16 watts. The secondary has an impedance of 4 and 8 ohms. Insertion loss does not exceed .6 db and the frequency response is ±1 db from 40 to 15000 HZ. See detailed specifications on reverse side.

Model HT327 has primary taps at 8, 16 and 32 watts. The secondary has an impedance of 4 and 8 ohms. Insertion loss does not exceed .6 db and the frequency response is ±1 db from 30 to 15000 HZ. See detailed specifications on reverse side.

...AND 140 WATT AUTOTRANSFORMER



AF140



Model AF140 is a heavy duty 140 watt autotransformer. This unit is ideal for impedance matching in any constant voltage speaker line. Insertion loss will not exceed .3 db and the frequency response is conservatively rated from 30 to 15000 HZ. See detailed specifications and application examples on reverse side.

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soundolier

HIGH QUALITY 16 & 32 WATT LINE TRANSFORMERS, 140 WATT AUTOTRANSFORMER

SPECIFICATIONS									
MODEL NO.	PRI. VOLTS	FREQUENCY RESPONSE	PRIMARY TAPS	SECONDARY IMPEDANCE	INSERTION LOSS	PRIMARY TERMINATIONS	SECONDARY TERMINATIONS	CORE SIZE	POWER RATING
HT-167	70.7	± 1db – 40Hz-15KHz	4, 8, & 16W	4 & 8 OHMS	.6db	6″ Color Coded	6″ Color Coded	1″ x 1″*	16 WATTS
HT-327	70.7	± 1db – 30Hz-15KHz	8, 16, & 32W	4 & 8 OHMS	.6db	6″ Color Coded	6″ Color Coded	1¼″ x 1¼″*	32 WATTS
AF-140	—	± 1db – 30Hz-15KHz	—	—	.3db	6″ Color Coded Leads		1⅜″ x 1⅜″*	140 WATTS

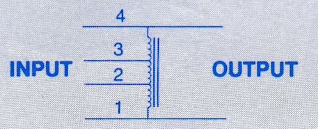
*29 ga. grain oriented steel — M6 Audio Grade

DIMENSIONS							
Model No.	A	B	C	D	E	Weight	Drawing
HT-167	3⅛″	2 9/16″	1 3/32″	3⅛″	———	2 lbs.	I
HT-327	4″	3¼″	1 5/16″	2½″	2¼″	4 lbs.	II
AF-140	4⅛″	3 7/16″	1⅜″	2¾″	2⅜″	4.5 lbs.	II

TABLES OF CONNECTIONS FOR AF140 AUTOTRANSFORMER

STEP UP

MODEL AF140



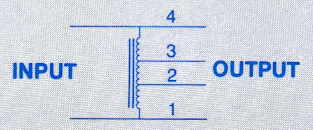
INPUT TAPS	OUTPUT TAPS	TURNS RATIO	VOLTAGE (V) RATIO	IMPEDANCE (Z) RATIO
1 & 2	1 & 4	1:2	2	4
1 & 3	1 & 4	1:1.33	1.33	1.8
3 & 4	1 & 4	1:4	4	16

EXAMPLE: USING V RATIO
70 volt connected to input (1 & 2).
Load connected to output (1 & 4).
Multiply 70V X V Ratio of taps 1 & 2.
70V X 2 = 140 V
This will allow a 70 volt line to be stepped up to 140 volts.

EXAMPLE: USING Z RATIO
8 ohms connected to input (1 & 2).
Load connected to output (1 & 4).
Multiply 8 ohms X Z Ratio of taps 1 & 2.
8 ohms X 4 = 32 ohms
This will allow a 32 ohm load to be connected to an 8 ohm amplifier output.

STEP DOWN

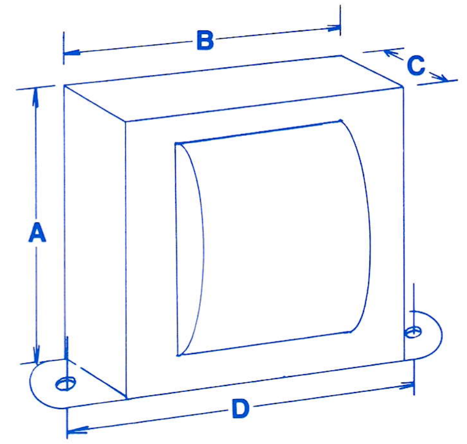
MODEL AF140



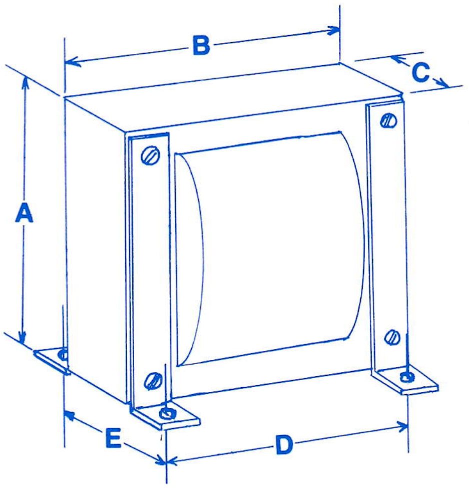
INPUT TAPS	OUTPUT TAPS	TURNS RATIO	VOLTAGE (V) RATIO	IMPEDANCE (Z) RATIO
1 & 4	1 & 2	2:1	.5	.25
1 & 4	1 & 3	1.3:1	.75	.5
1 & 4	3 & 4	4:1	.25	.063

EXAMPLE: USING V RATIO
70V connected to input (1 & 4).
Load connected to 1 & 2.
Multiply 70V X V Ratio of taps 1 & 2.
70V X .5 = 35V
This will allow a 70 volt line to be stepped down to 35 volts.

EXAMPLE: USING Z RATIO
8 ohms connected to input (1 & 4) i.e. amp output.
Load connected to 1 & 2.
Multiply 8 ohms X Z Ratio of taps 1 & 2.
8 ohms X .25 = 2 ohms
This will allow a 2 ohm load to be connected to an 8 ohm amp output.



I



II

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The transformer shall be capable of delivering its full rated power within ± __________ db over a frequency range of __________ Hz. The primary shall have power taps of __________ watts. The secondary shall be __________ ohms. The insertion shall not exceed __________ db. The transformer shall be Soundolier Model ________________ or approved equal.

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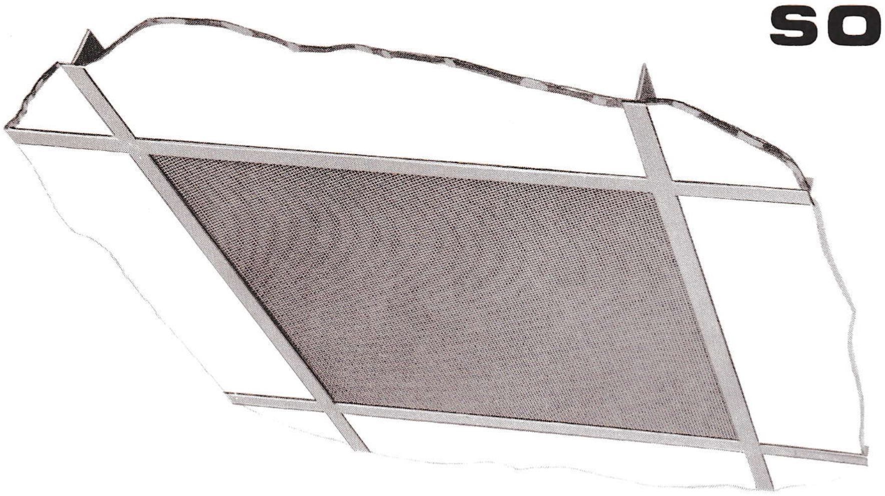
SQUARE RECESSED BAFFLE

G22-8

soundolier, inc.



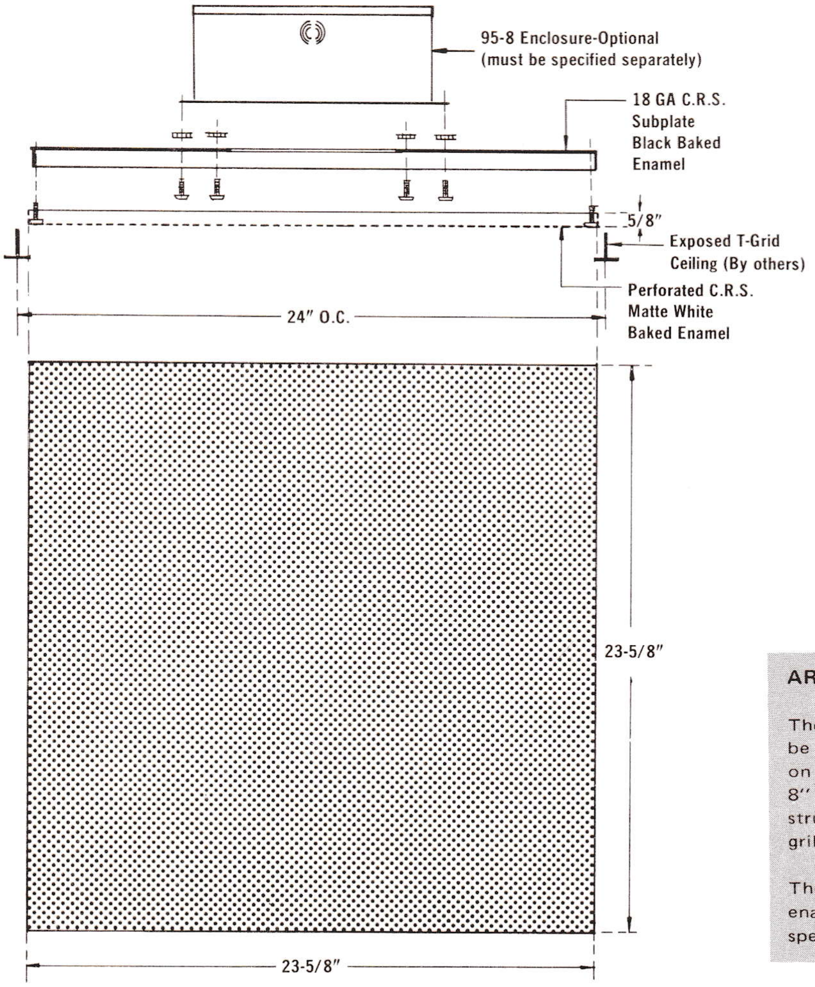
Model G22-8 is a new concept in recessed ceiling baffles — a 2′ x 2′ *lay-in* grille used in conjunction with the popular exposed T-Grid suspended ceiling.

Complete baffle consists of a matte off-white enamel front panel featuring an all perforated design and a sturdy steel sub-plate for mounting any standard 8″ loudspeaker. The sub-plate is fastened to the front panel by means of weld studs, thus eliminating all visible hardware.

If an enclosure is required, Model 95-8 can be mounted directly to sub-plate.

The entire assembly — front panel, sub-plate, speaker and enclosure — can be assembled in one unit and then be tilted into position in the ceiling grid.

For use in a 2′ x 4′ modular grid system, it is suggested Model G22-8 be used with a 2′ x 2′ tile and a 2′ cross T-Bar (cut tile and T-Bar are available from ceiling contractor).


95-8 Enclosure-Optional
(must be specified separately)
18 GA C.R.S.
Subplate
Black Baked
Enamel
5/8″
Exposed T-Grid
Ceiling (By others)
Perforated C.R.S.
Matte White
Baked Enamel
24″ O.C.
23-5/8″
23-5/8″

MODEL	DIMENSIONS	ENCLOSURE
G22-8	23-3/4″ x 23-3/4″ x 1/2″	95-8

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The baffle shall be Soundolier G22-8 or approved equal. The baffle shall be manufactured of 22 gauge perforated C.R.S. 1/8″ diameter holes on 3/16″ staggered centers. A sub-plate shall be furnished to mount 8″ speaker (and 95-8 enclosure if required). Sub-plate shall be constructed of 18 gauge C.R.S. and shall be fastened to front perforated grille through weld studs. There shall not be any visible hardware.

The finish on the perforated front grille shall be matte off-white baked enamel, and sub-plate shall be finished in a black baked enamel. All speaker and baffle mounting hardware shall be furnished.

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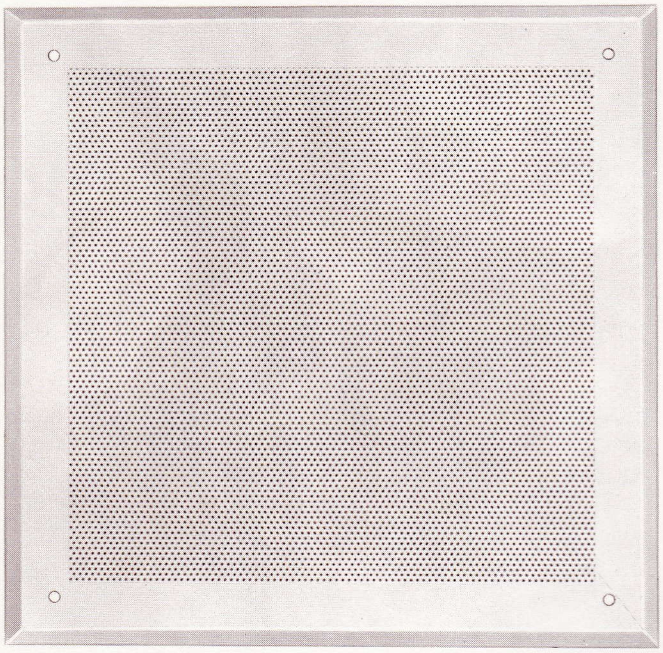
SQUARE RECESSED BAFFLE

170-8

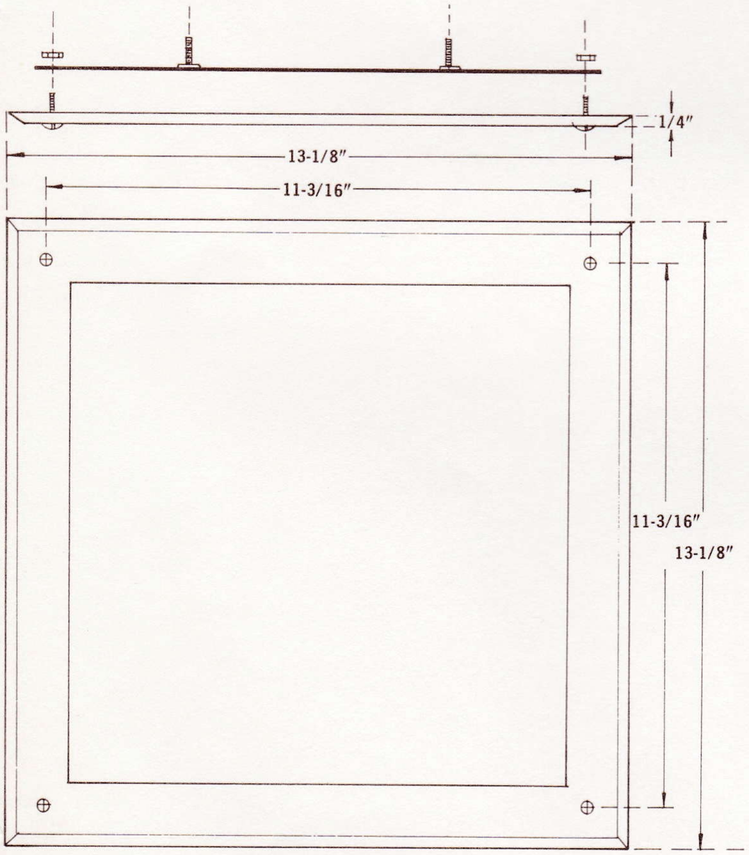
soundolier, inc.



The Model 170-8 is an attractive square grille designed for today's modern ceiling requirements. A beveled edge front grille creates an overall clean appearance.

The complete baffle assembly consists of the front grille plus a separate sub-plate to prevent bass leaks. Four welded studs are provided on the sub-plate for fast mounting of the loudspeaker.

The entire assembly is constructed of sturdy cold rolled steel and is finished in a matte white baked enamel.



MODEL	SPEAKER SIZE	DIMENSION	MOUNTS TO ENCLOSURE/MOUNTING RING
170-8	8"	13-1/8" x 13-1/8"	95-8, 96-8, 199-8, 199-8-5 75-8, 76-8, P77-8, P78-8 PR-193 (Sq. Plaster Frame)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal baffle shall be Soundolier Model 170-8 or approved equal. Baffle shall consist of front grille and a separate mounting plate. Mounting plate shall have welded studs for mounting loudspeaker. Mounting holes are also provided in sub-plate for mounting to back enclosure Model __________ or mounting ring only, Model __________. Baffle shall measure 13-1/8" x 13-1/8". Standard finish shall be baked white enamel. Baffle shall accommodate any standard 8" loudspeaker.

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RECESSED VANDAL PROOF BAFFLE

VP 60-R

soundolier, inc.

MODEL VP60-R

Model VP60-R is a truly vandal-proof recessed grille designed for use with any standard 8″ loudspeaker. This attractive grille offers total security from direct blows to the grille or tampering to gain access to the speaker. This security is accomplished by use of a casting of a high tensile, self-aging aluminum alloy, which has a tensile strength of 44,000 lbs. P.S.I. — twice that of conventional aluminum castings. In addition, the speaker screen is a special stainless steel woven wire mesh, impervious to direct blows, and is backed up with perforated metal.

Total security is completed by use of special heat-treated alloy tamper-proof screws which include a nipple in base of wrench hole. A special wrench will be supplied with each shipment.

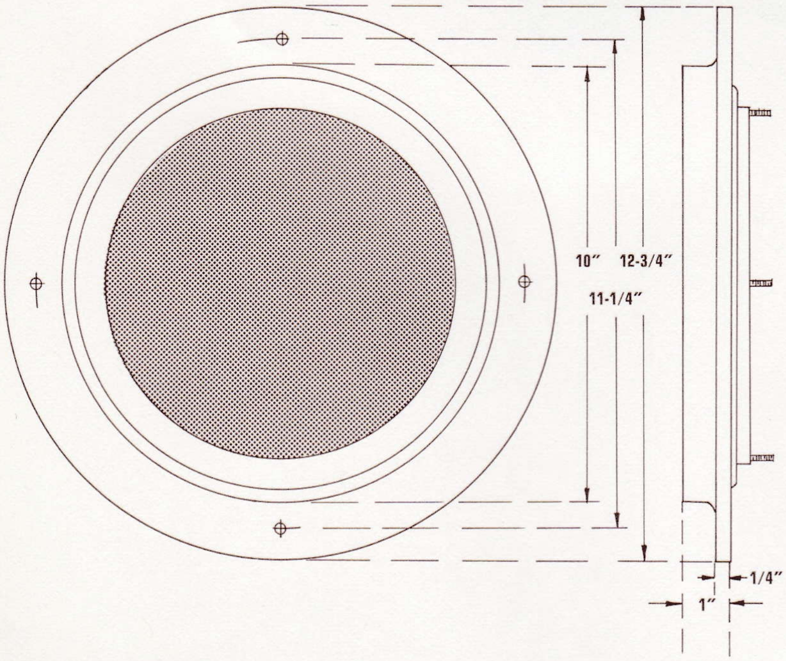
ARCHITECTS AND ENGINEERS SPECIFICATIONS

Baffle shall be SOUNDOLIER VP60-R recessed grille and shall be of vandal-proof construction. Outer ring shall be high tensile cast aluminum and shall be of self-aging alloy which shall have a tensile strength of 44,000 lbs. per sq. in. Baffle shall have a stainless steel music wire mesh screen which shall be spun over a sub-plate which shall be finished with a clear epoxy coating. This assembly shall be fastened to the casting from the inside by means of six (6) screws which shall be invisible.

The cast aluminum baffle will be mounted to SOUNDOLIER enclosure 96-8, or plaster ring 76-8. (Enclosure or plaster ring must be specified separately.) Baffle shall be furnished with special tamper proof heat treated alloy screws which shall be flush. A special wrench will be supplied for removal of screws. Stainless steel mesh screen shall be regressed into cast ring which on the inside visible portion shall be finished with a glass bead shot-peened process.

Finish of baffle shall be satin aluminum and shall be coated with a clear baked epoxy enamel.

Model No.	Mounting	Enclosure	Dimensions
VP60-R	Recessed	96-8	12¾″ dia. x 1″ deep



HORN ADAPTER RINGS

VPA-MM2F — University
VPA-PA12F — Electro-Voice
VPA-APF — Atlas

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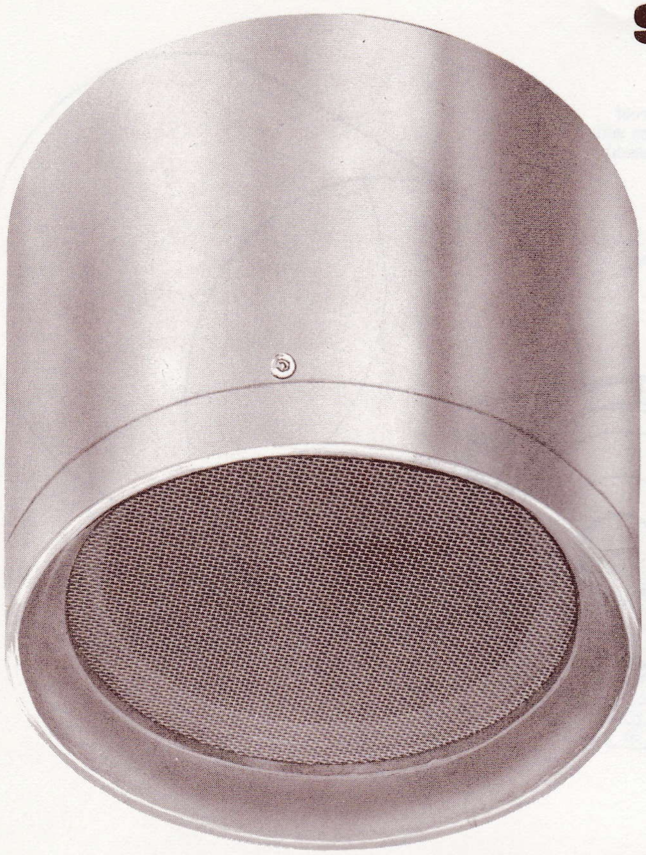
SURFACE VANDAL PROOF BAFFLE

VP 410-S

soundolier, inc.



MODEL VP410-S

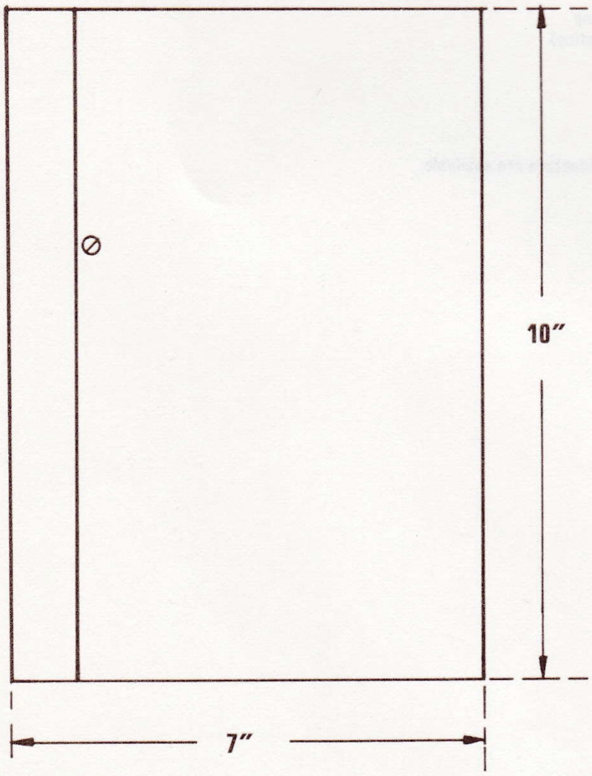
Model VP410-S is a vandal-proof surface mounted ceiling or wall baffle designed for use with any standard 8" loudspeaker. The housing is constructed of 11 gauge tempered aluminum plate, rolled and heliarc welded for maximum strength and rigidity. In addition to this extremely sturdy housing, the speaker grille section is cast from a high tensile, self-aging aluminum alloy, having a tensile strength of 44,000 lbs. P.S.I. — twice that of conventional aluminum castings. To prevent access to the speaker cone, a special stainless steel woven wire mesh is backed up with perforated metal.

This uni-directional baffle can be mounted to a standard electric outlet box by means of keyhole slots located on the rear of the housing. Additional mounting holes are also provided to permit mounting to the structural part of a building by means of anchors. To prevent any possibility of tampering from the rear of the baffle, the rear has been heliarc welded and slightly regressed to permit the edges of the baffle to be drawn tightly against the ceiling.

Total security is completed by use of special heat treated alloy tamper-proof screws which include a nipple in base of wrench hole. A special wrench will be supplied with each shipment.

The baffle is finished in a beautiful stain aluminum with a clear baked epoxy coating.

Model No.	**Mounting**	**Dimensions**
VP410-S	Ceiling or wall	10" dia. x 7" deep



SEE OTHER SIDE FOR ISOMETRIC VIEW

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The baffle shall be SOUNDOLIER Model VP410-S or approved equal and shall be of vandal-proof construction. Housing shall be manufactured of 11 ga. tempered aluminum and shall have a high-tensile cast aluminum ring at one end. The cast aluminum ring shall be made of a self-aging alloy and shall have a tensile strength of 44,000 lbs. per sq. in. The cast aluminum ring shall have a stainless steel music wire mesh screen which shall be spun over a subplate which shall be finished with a clear epoxy coating. This assembly shall be fastened to the casting from the inside by means of six (6) screws which shall be invisible. Castings shall be fastened to housing by means of special heat treated alloy tamper-proof screws which shall be flush. A special wrench shall be supplied for removal of screws. Stainless steel mesh screen shall be regressed into cast aluminum ring of which the inside visible portion shall be finished with a glass bead shot-peened process. Mounting surface of baffle shall be recessed into housing to permit flush fit of baffle against mounting surface.

Mounting is achieved through slots for direct mounting to outlet box, or by means of independent anchors to ceiling. (The latter is recommended for more secure and rigid installation.)

Baffle shall mount 8" Speaker or a Horn can be mounted by means of adapter ring which must be specified separately. See below for Catalog Number of adapter.

Finish of baffle shall be satin aluminum with a clear baked eposy enamel.

HORN ADAPTER RINGS

VPA-MM2F	— University
VPA-PA12F	— Electro-Voice
VPA-APF	— Atlas

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TELEX 44-865

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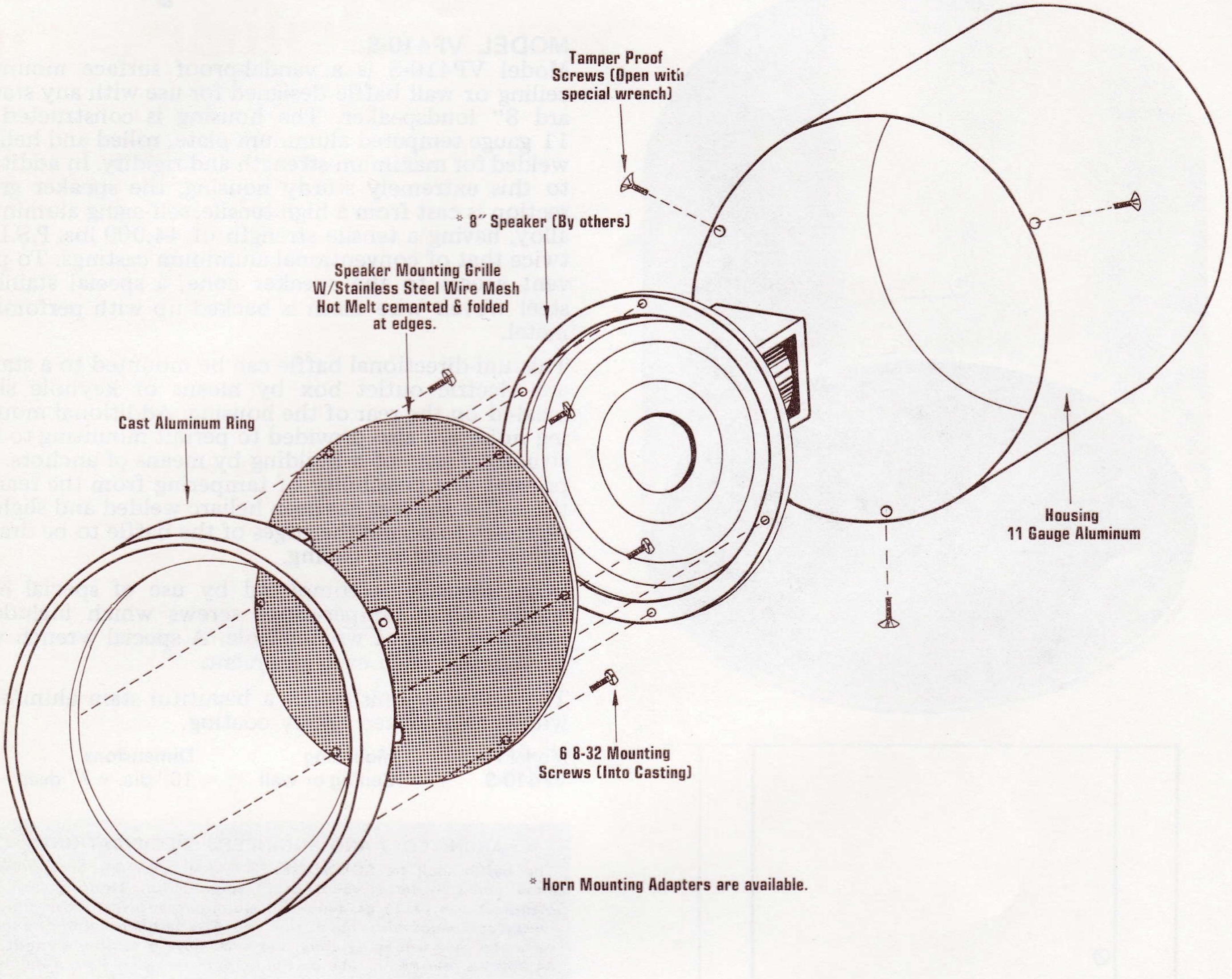
ISOMETRIC VIEW

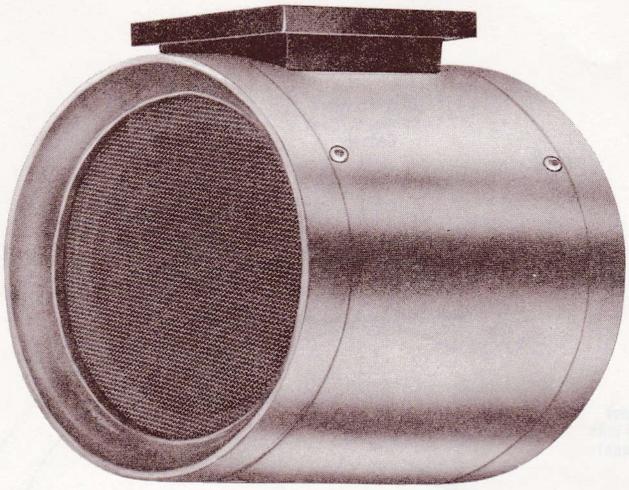


Tamper Proof
Screws (Open with special wrench)
* 8″ Speaker (By others)
Speaker Mounting Grille W/Stainless Steel Wire Mesh Hot Melt cemented & folded at edges.
Cast Aluminum Ring
Housing
11 Gauge Aluminum
6 8-32 Mounting Screws (Into Casting)

* Horn Mounting Adapters are available.

BI-DIRECTIONAL VANDAL PROOF BAFFLE

VP 510-B



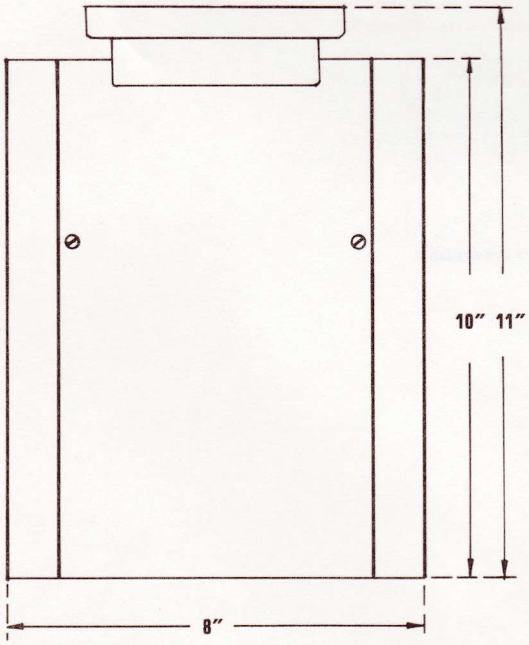
ARCHITECTS AND ENGINEERS SPECIFICATIONS

The bi-directional baffle shall be SOUNDOLIER Model VP510-B or approved equal and shall be of vandal-proof construction. Housing shall be manufactured of 11 ga. tempered aluminum and shall have a high tensile cast aluminum ring at each end. The cast aluminum rings shall be made of a self-aging alloy and shall have a tensile strength of 44,000 lbs. per sq. in. The rings shall have a stainless steel music wire mesh screen which shall be spun over a subplate which shall be finished with a clear epoxy coating. This assembly shall be fastened to the end castings from the inside by means of 6 screws which shall be invisible. Canopy of baffle shall be made of high tensile cast aluminum and shall have an integrally cast mounting bar which can be used for outlet box mounting or direct wall or ceiling mounting by means of anchors.

The cast aluminum end rings shall be mounted by means of special heat treated alloy tamper screws which shall be flush. A special wrench shall be supplied for removal of screws. Stainless steel mesh screen shall be regressed into cast end mounting rings which on the inside visible portion shall be finished with a glass bead shot-peened process.

Baffle shall mount 8″ Speaker for bi-directional use or Horn can be mounted for uni-directional use by means of adapter ring which must be specified separately. See below for catalog number of adapter.

Finish of baffle shall be satin aluminum and canopy shall be flat black baked enamel. The satin aluminum portion of baffle shall be finished with a clear epoxy baked enamel.



soundolier, inc.

MODEL VP510-B

Model VP510-B is a unique bi-directional baffle which features vandal-proof construction and vandal-proof design. The housing is constructed of 11 gauge tempered aluminum plate, rolled and heliarc welded for maximum strength and rigidity. In addition to this extremely sturdy housing, the speaker grilles located on each end of the housing, are cast from a high tensile, self-aging aluminum alloy, which has a tensile strength of 44,000 lbs. P.S.I. — twice that of conventional aluminum castings.

For added security, the screen used in the speaker grille section, is fabricated of a special stainless steel woven wire mesh. There is a second screen of perforated metal to eliminate any possibility of rupturing to gain access to the speaker cone. The canopy used for mounting to a standard electrical box, is also cast of heavy aluminum.

Total security is completed by use of special heat treated alloy tamper proof screws which include a nipple in base of wrench hole. A special wrench will be supplied with each shipment.

The housing is finished in a beautiful stain aluminum with a clear baked epoxy coating. The canopy is a contrasting satin black baked enamel.

Model VP510-B is designed for use with any standard 8″ loudspeaker. SOUNDOLIER can furnish as optional equipment, special adapter rings designed for mounting various horns instead of a conventional cone speaker.

Model No.	Mounting	Dimensions
VP510-B	Bi-directional ceiling or wall mounting	10″ dia. x 8″ deep x 11″ projection

HORN ADAPTER RINGS

VPA-MM2F	University
VPA-PA12F	Electro-Voice
VPA-APF	Atlas

SEE OTHER SIDE FOR ISOMETRIC VIEW

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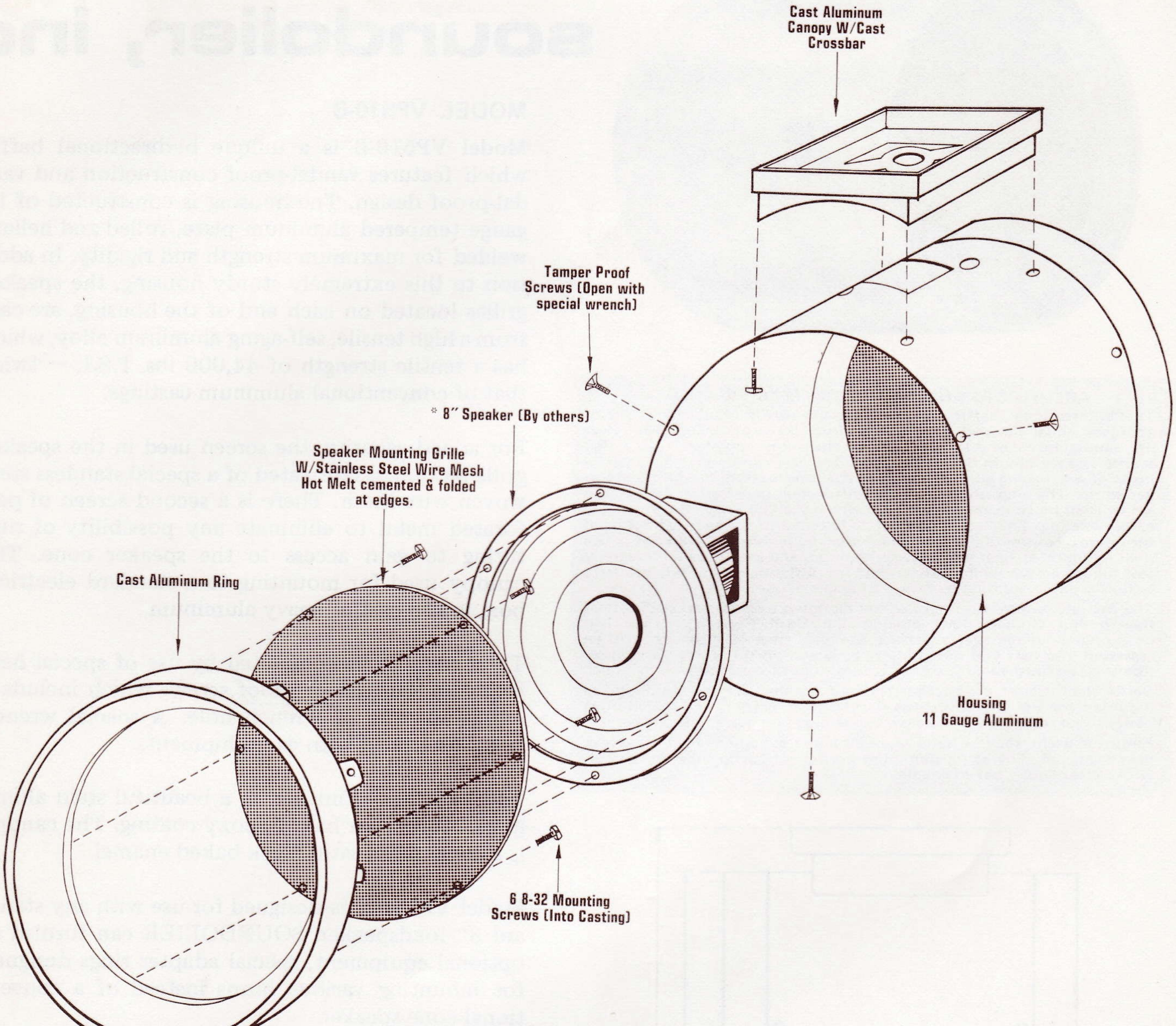
ISOMETRIC VIEW


Cast Aluminum Canopy W/Cast Crossbar
Tamper Proof Screws (Open with special wrench)
* 8" Speaker (By others)
Speaker Mounting Grille W/Stainless Steel Wire Mesh Hot Melt cemented & folded at edges.
Cast Aluminum Ring
Housing 11 Gauge Aluminum
6 8-32 Mounting Screws (Into Casting)

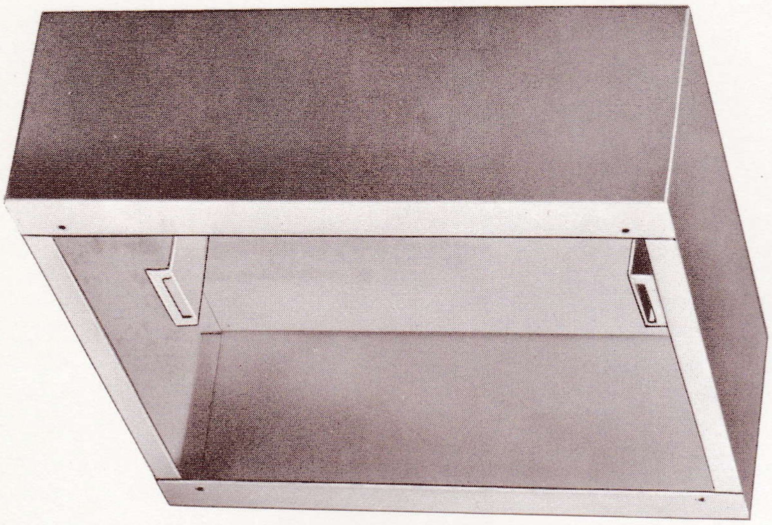
* Horn Mounting Adapters are available.

SQUARE SURFACE MOUNT BAFFLE

SE175-4

soundolier, inc.

BAKED WHITE ENAMEL



Model SE175-4 is a unique square surface mount housing that gives the user a choice of two attractive Soundolier grilles to be used as the cover grille of this baffle.

Facilities are incorporated into this housing for mounting either a conventional screw type trim square (Model 161-8) or torsion spring type trim square (Model T620-8). This results in an attractive surface mount baffle completely void of any visible hardware. Model SE175-4 is constructed of sturdy 20 gauge C.R.S. and is finished in baked white enamel.

Important — User must order trim square separately. Trim square not included in price of housing.

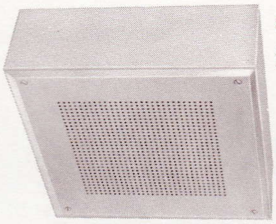
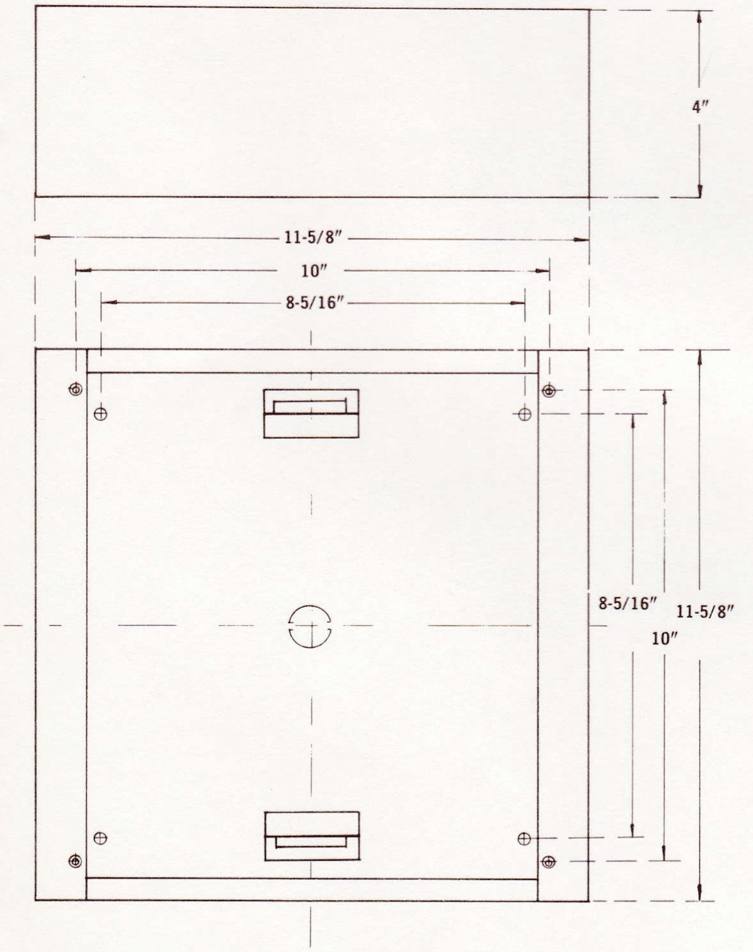


Photo shows 161-8 baffle mounted to SE175-4.



MODEL	SPEAKER SIZE	DIMENSIONS	COVER GRILLE TO BE USED
SE175-4	8"	11-5/8" x 11-5/8" x 4" deep	T620-8, 161-8

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal loudspeaker baffle shall be Soundolier Model SE175-4, or approved equal. Housing shall be constructed of 20 gauge cold rolled steel and shall measure 11-5/8" x 11-5/8" x 4" deep. Baffle shall have slotted receptacles to accept torsion spring cover grille (T620-8) and four 8/32 weld nuts to accept screw type cover grille (161-8). Finish shall be white baked enamel. Baffle shall accommodate any standard 8" loudspeaker.

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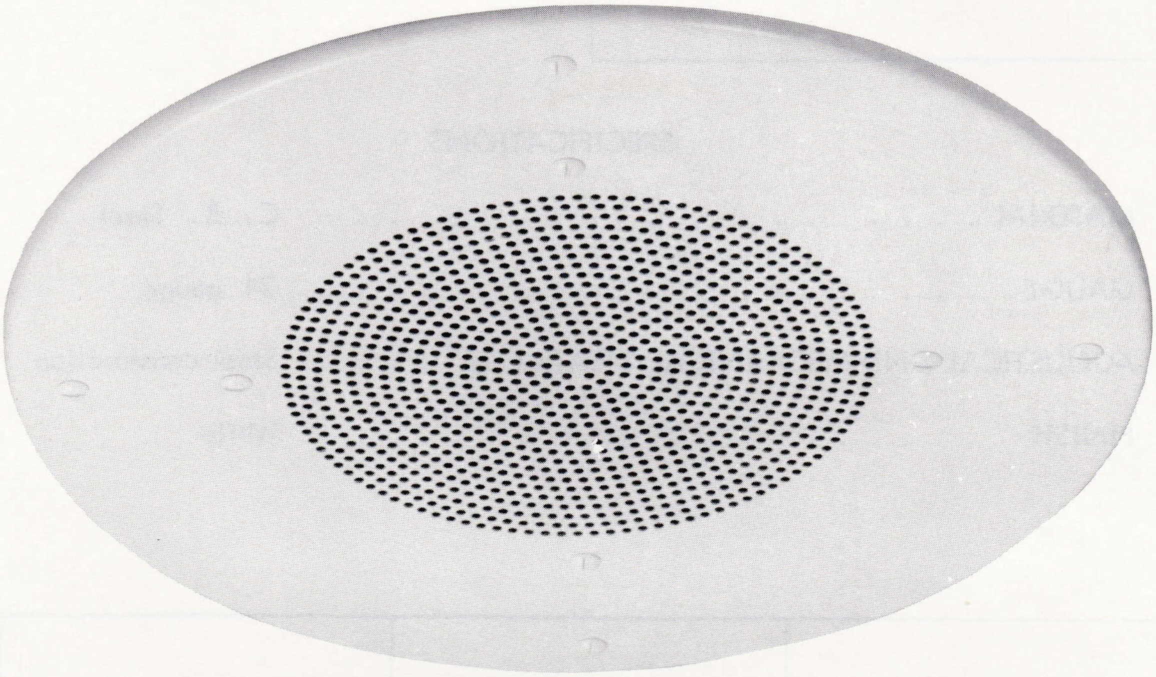
51 SERIES
RECESSED TRIM RING BAFFLES

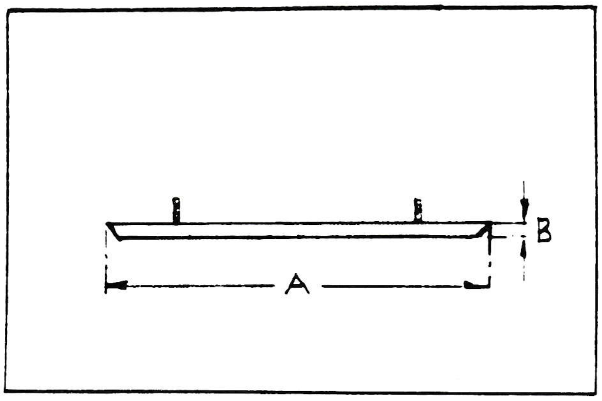


51 SERIES - The 51 series is an economical steel trim ring featuring one piece construction. Heavy gauge steel eliminates "give" when pressure is applied to mounting screws. A hard baked white finish may be used as a prime coat or an attractive final coat. Hardware for loudspeaker mounting is furnished.

ORDERING INSTRUCTIONS - The 51 series is bulk packed, twenty to a carton. Orders are restricted to a minimum of twenty (excepting samples) and cartons will not be broken.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
51-8	8"	95-8	75-8

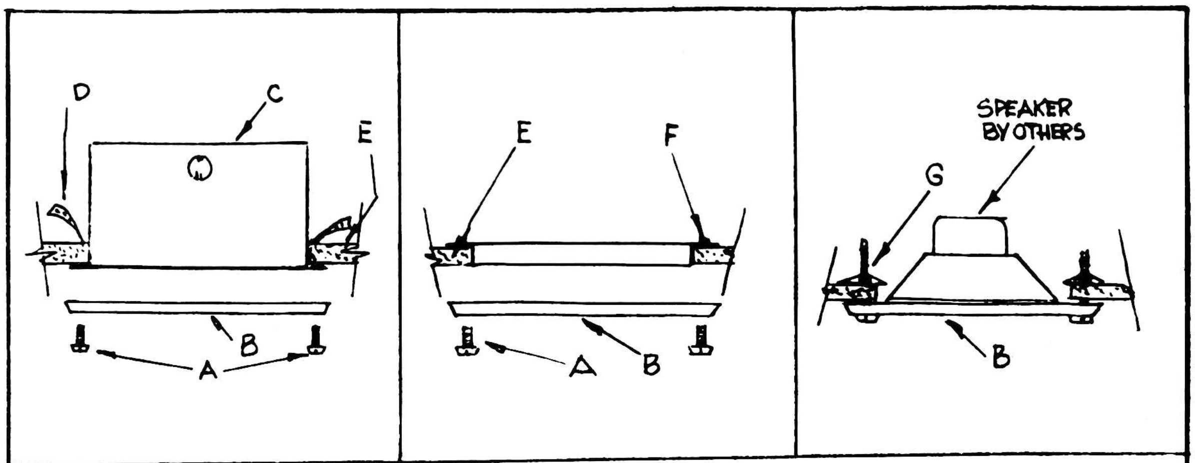


DIMENSIONAL SPECIFICATIONS

CATALOG NUMBER	HOLE SIZE REQ'd-CLG	DIMENSIONS A	DIMENSIONS B
51-8	8 1/2"	12 3/4"	5/16"

SPECIFICATIONS

MATERIAL	C. R. Steel
GAUGE	24 gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Steel construction
FINISH	White

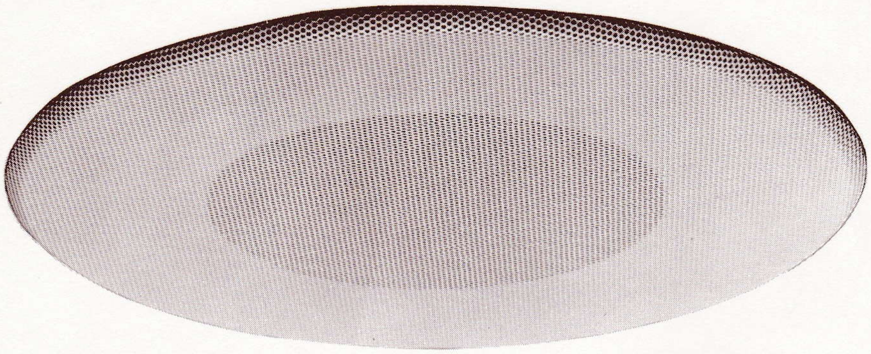


A 4 8-32 machine screws, bright cadmium plate heads. Connects baffle to 95 series enclosure. Furnished with 95 series enclosure.
B Baffle.
C 95 series enclosure. Must be ordered and specified separately when used.
D Mounting straps on 95 series enclosures. Bent to proper plaster thickness.
E Plaster or acoustical tile.
F 75 series plaster ring must be ordered and specified separately when needed.
G Toggle bolts, furnished by others.

ROUND RECESSED BAFFLE

T710-8

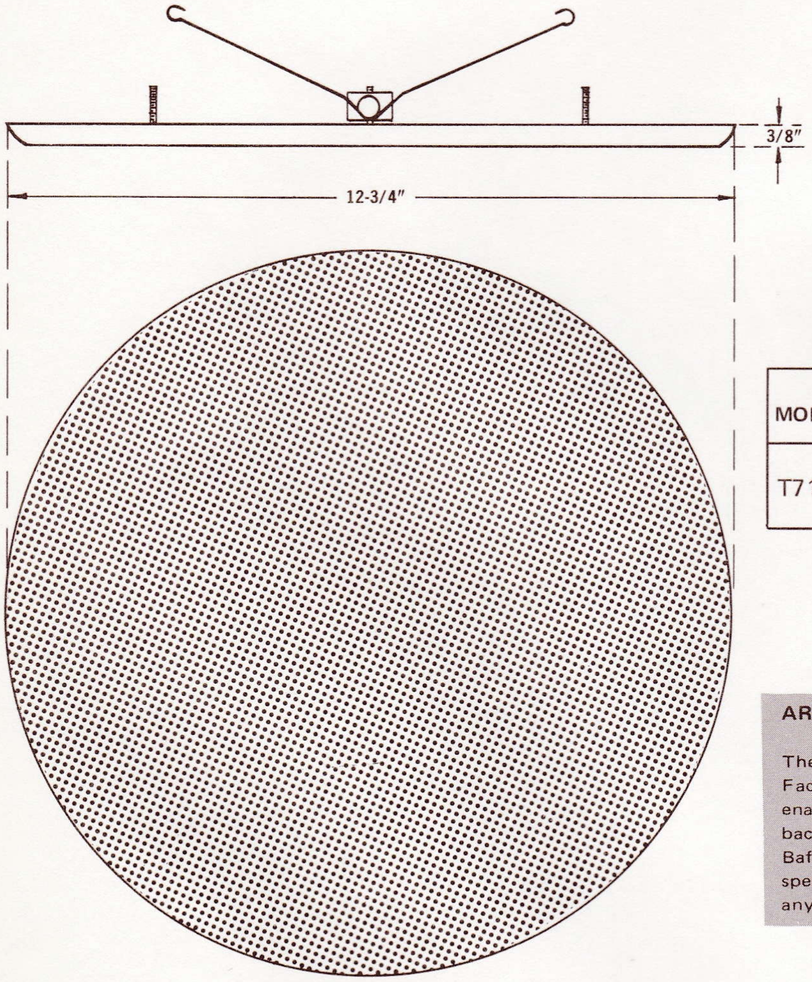
soundolier, inc.



Model T710-8 features an all-perforated screen design — a design ideally suited for today's "clean ceiling" requirements. A torsion spring device is supplied for mounting the grille to the back enclosure or plaster ring. This eliminates all visible hardware. Welded studs are provided on rear of grille for loudspeaker mounting.

The grille is of welded cold rolled steel construction; thus preventing any possibility of vibration or rattle.

The T710-8 is designed for use with any standard 8" loudspeaker. Finish is white baked enamel.



MODEL	SPEAKER SIZE	DIMENSION	MOUNTS TO ENCLOSURE/MOUNTING RING	
T710-8	8"	12-3/4" O.D.	T95-8	T75-8

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal baffle shall be Soundolier Model T710-8 or approved equal. Face of grille shall be all perforated steel finished in baked white enamel. Baffle shall utilize a torsion spring device to attach to either a back enclosure, Model T95-8 or a mounting ring only, Model T75-8. Baffle shall have welded studs on rear of baffle for mounting loudspeaker. Diameter of grille shall be 12-3/4". Baffle shall accommodate any standard 8" loudspeaker.

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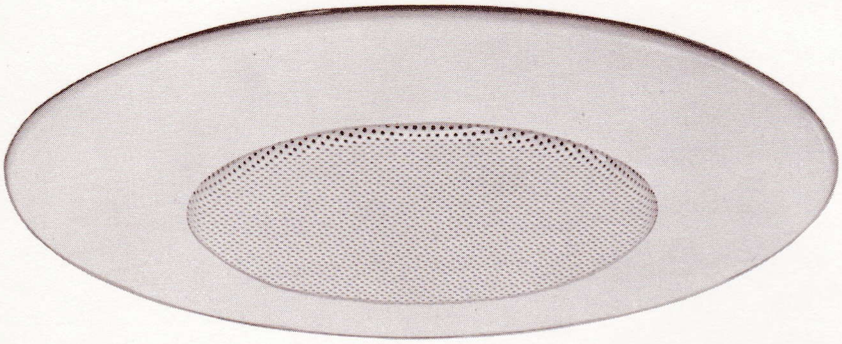
ROUND RECESSED BAFFLE

T720-8

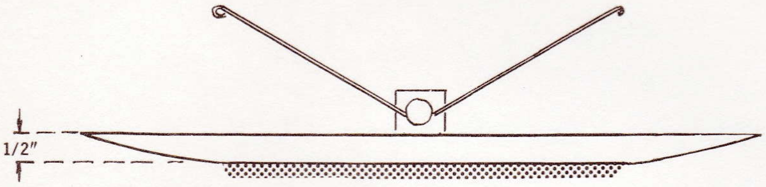
soundolier, inc.

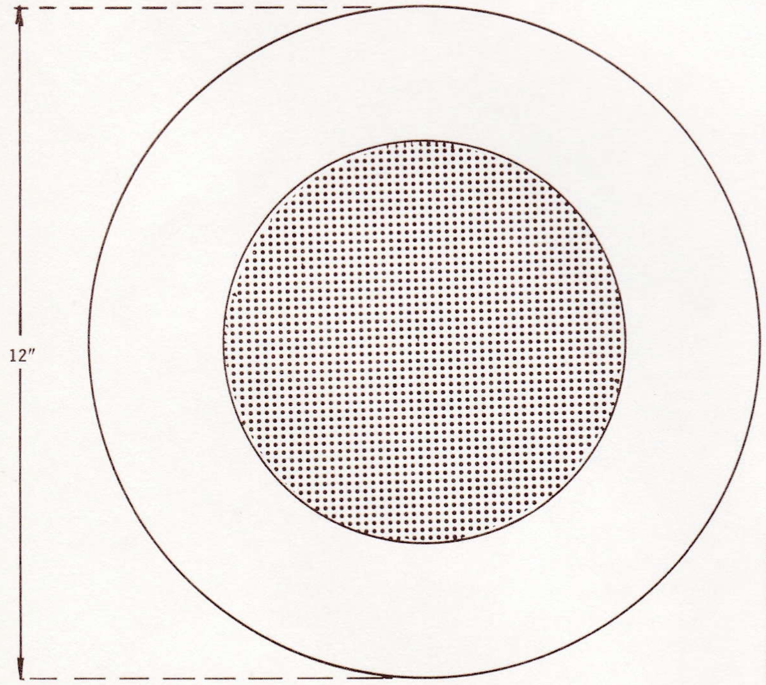


The Model T720-8 is an attractive all white grille designed for recessed ceiling installations. This grille features a modern contour design with the screen section slightly raised to create its sculptured shape.

A torsion spring device is supplied with each grille for mounting the enclosure or plaster ring to eliminate all visible hardware. Welded studs are provided on rear of grille for mounting any standard 8″ loudspeaker.

The T720-8 is of sturdy cold rolled steel with all welded construction to prevent any possibility of vibration or rattle.





ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal baffle shall be Soundolier Model T720-8 or approved equal. Baffle shall utilize a torsion spring device to attach baffle to either a back enclosure, Model T95-8 or a mounting ring only, Model T75-8, or equals. Baffle shall have welded studs on rear of baffle for mounting loudspeaker. Baffle shall have a diameter of 12″ and finished in baked white enamel. Baffle shall accommodate any standard 8″ loudspeaker.

MODEL	SPEAKER SIZE	DIMENSION	MOUNTS TO ENCLOSURE/MOUNTING RING	
T720-8	8″	12″ O.D.	T95-8	T75-8

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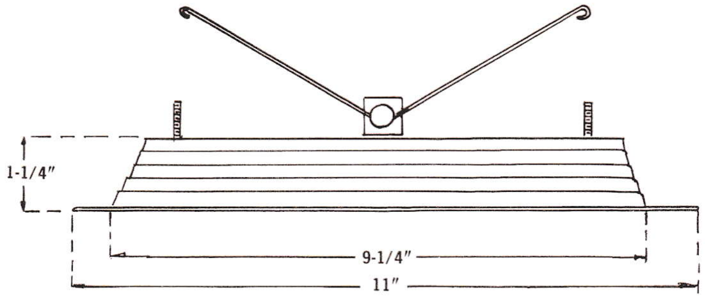
ROUND RECESSED BAFFLE

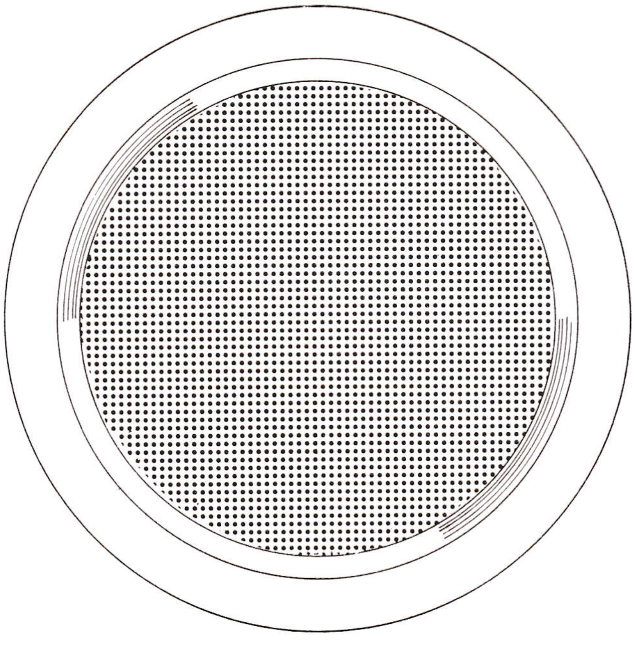
T730-8

soundolier, inc.

The Model T730-8 is a superbly designed grille featuring a two-tone finish — matte white outer trim with contrasting charcoal grey or black on the inner regressed steps. This design is ideally suited for uncluttered ceiling requirements. To complement its design, a torsion spring is used for mounting this outstanding grille to the enclosure or plaster ring; thus eliminating all unsightly screw heads. Welded studs are provided on the rear of the grille for mounting the loudspeaker. This grille is of sturdy cold rolled steel and welded construction, thus preventing any possibility of vibration or rattle.

The T730-8 is designed for use with any standard 8″ loudspeaker. Paint finish is baked enamel.





MODEL	SPEAKER SIZE	DIMENSION	MOUNTS TO ENCLOSURE/MOUNTING RING	
T730-8G Charcoal Grey	8″	11″ O.D.	T195-8	T175-8
T730-8B Black	8″	11″ O.D.	T195-8	T175-8

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal baffle shall be Soundolier Model T730-8 or approved equal. Baffle shall utilize a torsion spring device to mount baffle to either a back enclosure, Model T195-8, mounting ring only, Model T175-8, or approved equals. Baffle shall have welded studs on rear of baffle for mounting loudspeaker. Finish shall be two-tone enamel with matte white outer trim and a contrasting finish on the inner regressed steps. Baffle shall measure 11″ in diameter, and shall accommodate any standard 8″ loudspeaker.

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ROUND RECESSED ENCLOSURE

96 SERIES / 96-8 T96-8

soundolier, inc.

Model 96-8 is a welded cylindrical protective enclosure. Heavy gauge steel and undercoating eliminates mechanical and acoustical resonance. Each unit is furnished with four combination 1/2"-3/4"-1" conduit knockouts and protected with a rust preventative coating.

The model 96-8 incorporates an unusual plaster flange. The mounting nuts are easily accessible in drop ceilings and protected from the plaster and concrete in poured and plaster ceilings. J-clips are attached to the enclosure for mounting the appropriate loudspeaker baffle.

The increased cubic content of this enclosure improves the bass response of the system. Available in greater depths on request.

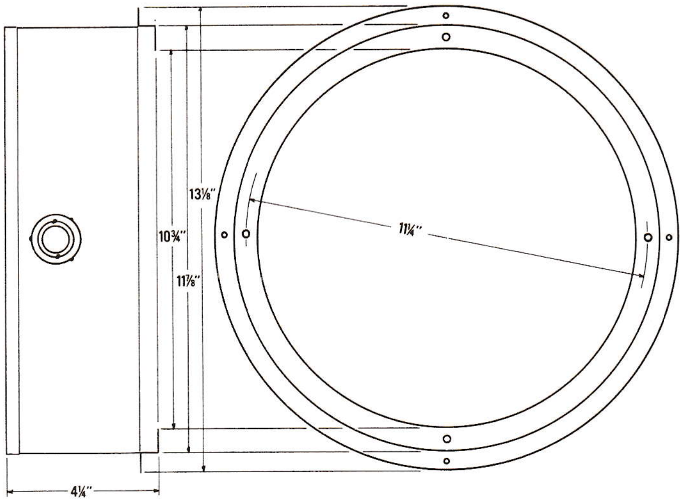
The T96-8 is the torsion spring version of the 96-8. The specifications are similar except that it will mount the Soundolier torsion spring models listed below.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal protective enclosure shall be Soundolier Model ____________ (96-8 or T96-8) or approved equal. Enclosure shall have a plaster flange which permits mounting nuts to be easily accessible. The enclosure shall have four combination 1/2"-3/4"-1" conduit knockouts.

(If specifying the 96-8) — The enclosure shall have four J-nuts for mounting the specified baffle. (If specifying the T96-8) — The enclosure shall have slotted receptacles to accept the torsion springs of the specified baffle.

The enclosure shall have a rust preventative coating and shall be undercoated to prevent acoustical and mechanical resonance. The enclosure shall mount Soundolier model ____________ loudspeaker baffle or approved equal.



Model	Mounts Baffle Models
96-8	10-8, 12-8, 15-8, 51-8, 60-8, M222, 61-8, 63-8, 68-8, 67-8, 17-8, 162-8, 165-8, P900
T96-8	T51-8, T60-8, TM222, T61-8, T68-8

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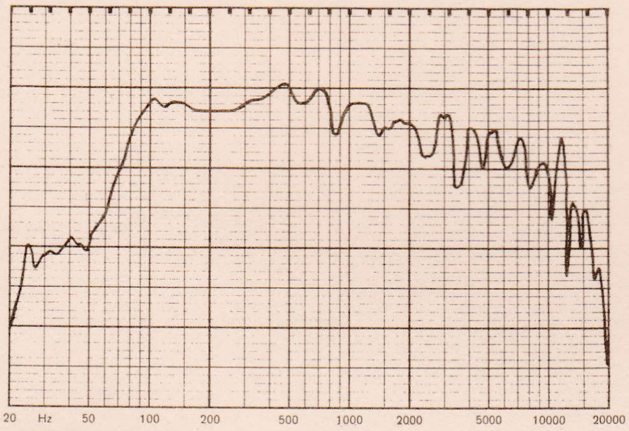
FOR YOUR INFORMATION:

"Q" SERIES LAB RESULTS

The "Q" Series metal enclosures offer several substantial benefits in terms of reduced installation costs. However, not to be overlooked is the top quality sound the series produces.

After extensive listening tests comparing Soundolier's "Q" Series with ¾" plywood enclosures of the same size, our subjects were unable to detect any difference in sound quality. However, in addition our engineers conducted several technical tests.

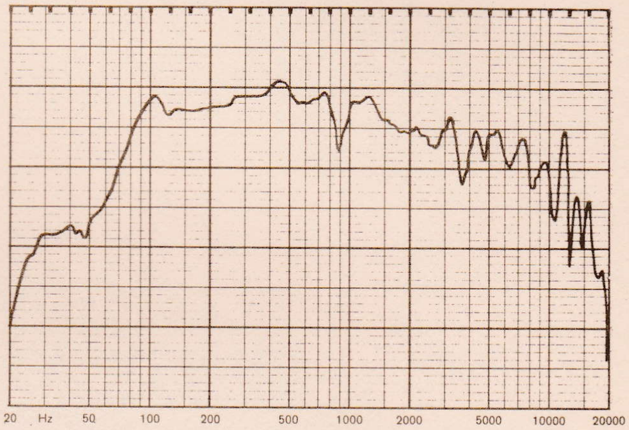
The results of two of these tests are shown below. The frequency response curves closely approximate each other. The tone burst tests exhibit the same similarity. Both tests, together with the listening tests, indicate that the wall vibrations and hangover problems of metal enclosures have been solved.



Metal Enclosure

Frequency response curve of a 12" speaker in Soundolier's Q4812, 6 cu. ft. enclosure. On axis curve with 12.5 watts into speaker. Mic 8 ft. from speaker.

Enclosure treatment consisted of (2) ½" layers of fiberboard and 1½" of 1½ lb. density fiberglass. Enclosure wt. = 58 lbs.

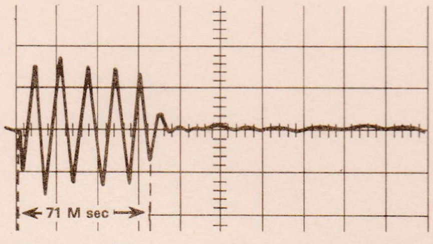


Wood Enclosure (¾" Plywood)

Frequency response curve of a 12" speaker in a wood 6 cu. ft. enclosure. On axis curve with 12.5 watts into speaker. Mic 8 ft. from speaker.

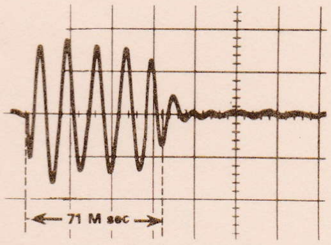
Enclosure treatment consisted of a lining of 1½" thick, 1½ lb. density fiberglass.

Enclosure wt. = 50 lbs.



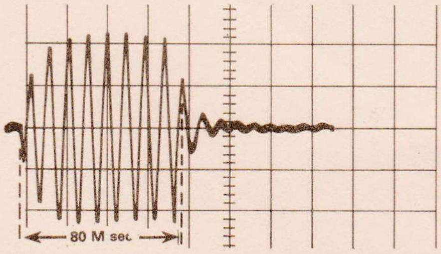
Metal Enclosure (6 cu. ft.), Soundolier Q4812 model. Tone Burst Test

Frequency = 70 HZ
Power in = 5 watts
Pulse duration = 71 Millisec.



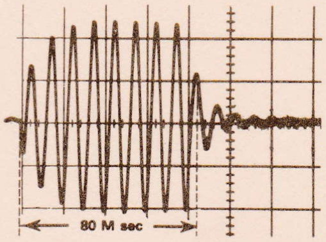
Wood Enclosure (6 cu. ft. ¾" Plywood) Tone Burst Test

Frequency = 70 HZ
Power in = 5 watts
Pulse duration = 71 Millisec.



Metal Enclosure (6 cu.ft.), Soundolier Q4812 model. Tone Burst Test

Frequency = 100 HZ
Power in = 5 watts
Pulse duration = 80 Millisec.



Wood Enclosure (6.cu. ft. ¾" Plywood) Tone Burst Test

Frequency = 100 HZ
Power in = 5 watts
Pulse duration = 80 Millisec.

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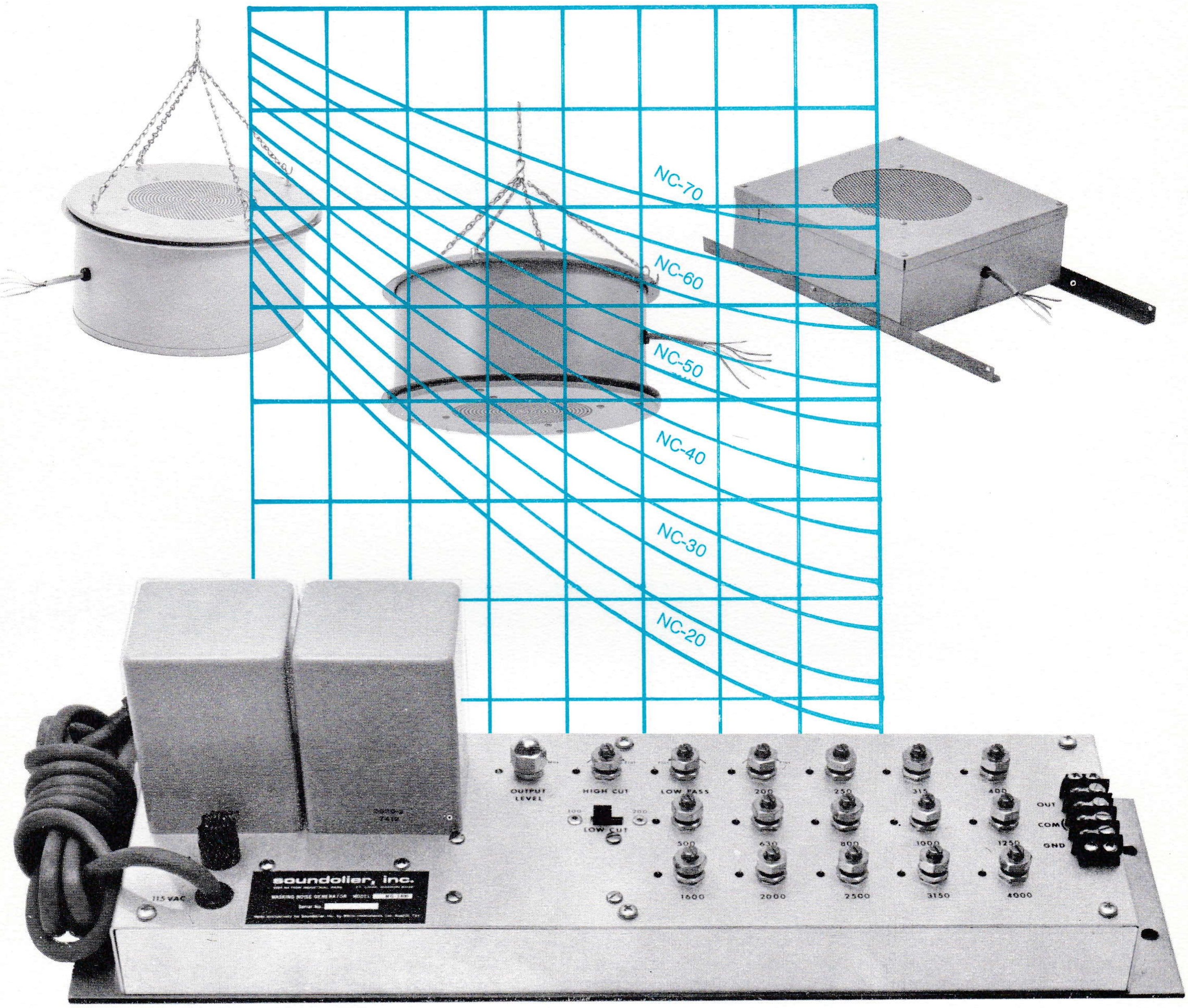
SOUNDOLIER'S NEW MG 1400 NOISE GENERATOR... THE BEST NEWS IN NOISE MASKING SINCE OUR MASKING LOUDSPEAKER SYSTEMS HIT THE MARKET.


NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
OUTPUT LEVEL
HIGH CUT
LOW PASS
200
250
315
400
100
LOW CUT
200
500
630
800
1000
1250
OUT
COM
GND
1600
2000
2500
3150
4000
115 VAC
soundolier, inc.
MASKING NOISE GENERATOR MODEL

The natural follow-up to our loudspeaker systems is a quality noise masking generator.

That should come as no surprise.

Neither should the demonstrable fact that the MG 1400 delivers the kind of performance and reliability you've come to expect from the Soundolier trademark.

What might surprise you is that, for $390, the MG 1400 is this complete. Complete enough to include these kinds of features:

■ Digital noise source ■ Output level control ■ Fourteen adjustable broadband passive notches for room and loudspeaker acoustics equalization ■ Active response shaping filter, adjustable from flat to 12 db/octave rolloff ■ Additional variable HIGH CUT from 5000 Hz for difficult situations ■ Selectable low frequency rolloff of 100 or 200 Hz ■ Internal power supply for standard 117 VAC operation

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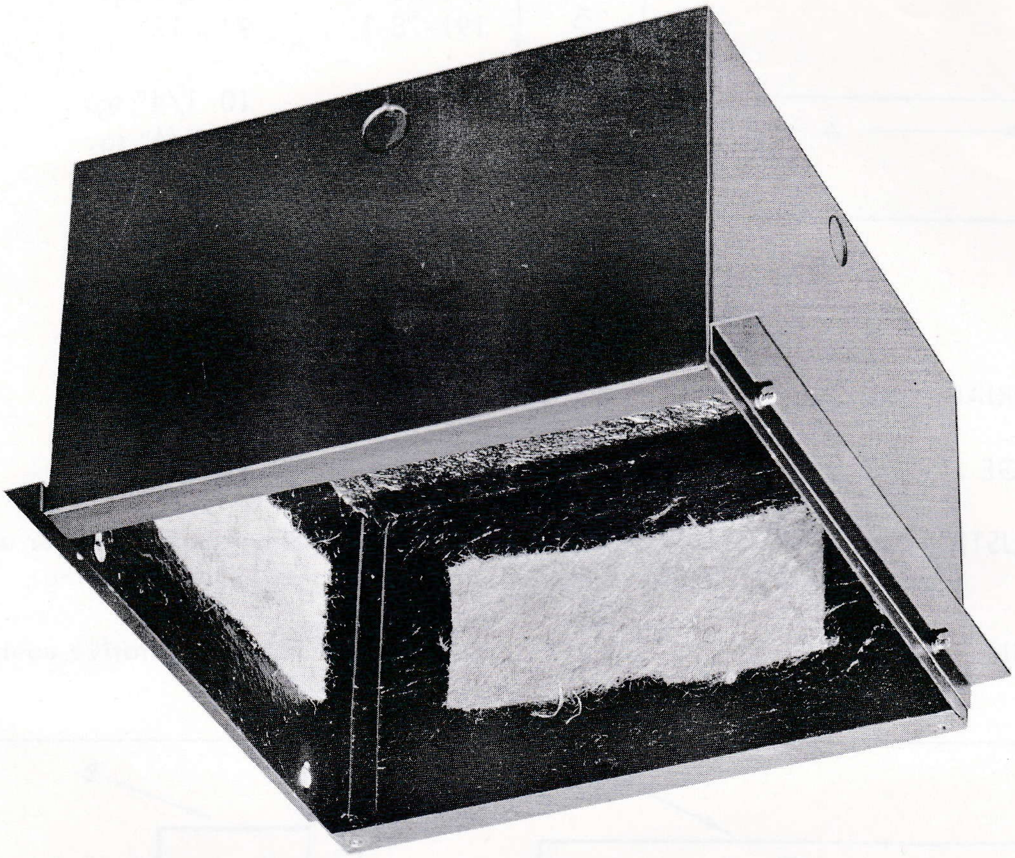
191 SERIES 177 SERIES 178 SERIES
RECTANGULAR PROTECTIVE ENCLOSURES AND PLASTER FRAMES

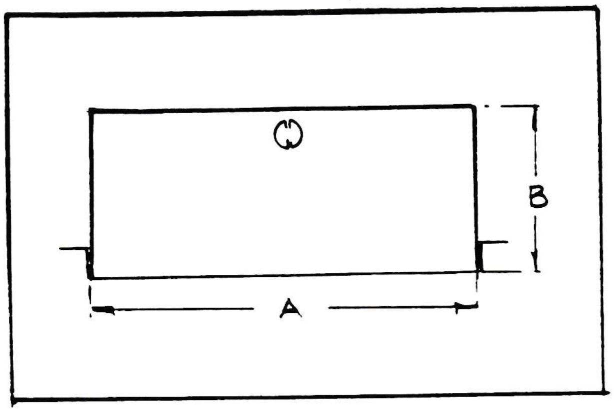


191 SERIES - The 191 series rectangular protective enclosures are of welded construction throughout. Heavy gauge steel, undercoating and patched jute lining eliminate mechanical and acoustical resonances. Each unit is furnished with four one half inch conduit knockouts and protected with a rust preventative coating.

Model 191-78 and 191-78-1 may be ordered with fixed or adjustable mounting arms. Please suffix catalog number with "F" when fixed arms are desired.

177 SERIES, 178 SERIES - The 177 series and the 178 series are rectangular plaster frames designed to mount the baffles listed in the table below. Each unit is of welded construction and finished in a rust preventative coating.

CATALOG NUMBER	USED ON BAFFLE NUMBERS
191-78	164-8, 168-8
191-78-1	461-6, 461-7, 461-8
177-78	164-8, 168-8
177-78-1	461-6, 461-7, 461-8
178	800-8, 800-12

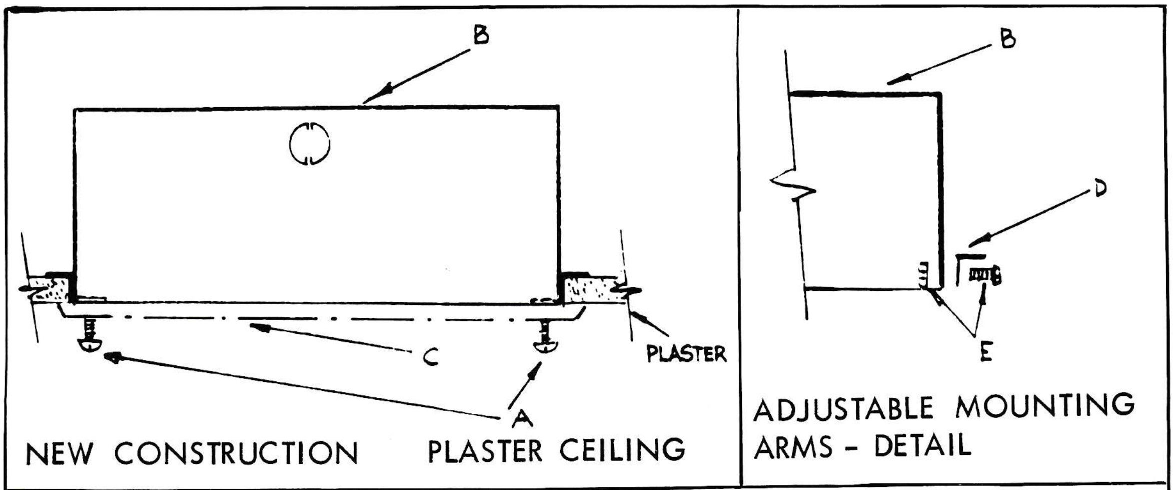


DIMENSIONAL SPECIFICATIONS

MODEL	A	B
191-78	11 5/8 sq.	4"
191-78-1	9" x 12"	4"
177-78	10 1/4" sq.	
177-78-1	9 3/4" sq.	
178	23 x 15	

SPECIFICATIONS

MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT (Pertains to 191 SERIES only)	Sheet metal deadner and patched jute lining
FINISH	Rust preventative coating



NEW CONSTRUCTION PLASTER CEILING

ADJUSTABLE MOUNTING ARMS - DETAIL

A 4 8-32 machine screws, white heads. Connects baffle to 191 series enclosures.
B 191 series enclosures.
C Baffle, to be ordered and specified separately.
D Adjustable mounting arm, furnished with 191 series when specified.
E 4 8-32 machine screws and nuts. Furnished with 191 series enclosures when adjustable mounting arms are specified.

SQUARE RECESSED ENCLOSURE

199 SERIES / 199-8
T199-8
199-8-5
T199-8-5

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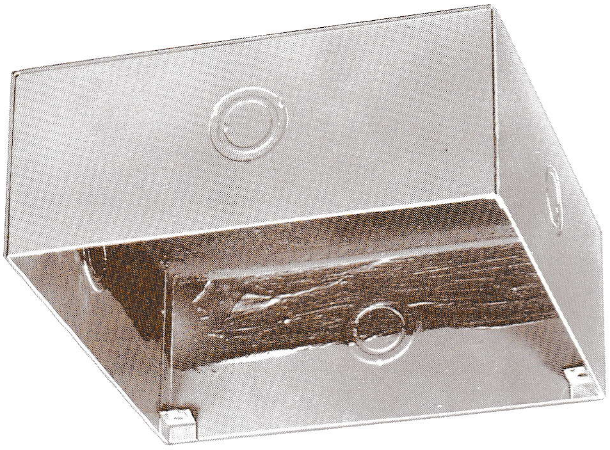


The model 199-8 enclosure is especially designed for use with many popular round and square Soundolier 8" speaker baffles. Construction is of sturdy 18 gauge CRS, all welded and undercoated to prevent mechanical and acoustical resonance. The enclosure has four combination 1/2"-3/4"-1" knockouts and is protected with a rust preventative finish.

U-Clips are recessed in the corners of the enclosure for baffle mounting.

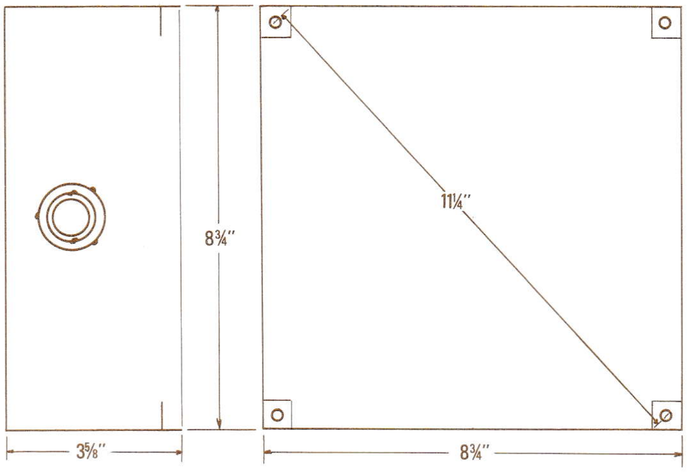
The model T199-8 is the torsion spring version of the 199-8. The specifications are similar except that it will mount the Soundolier torsion spring models listed below.

Both the 199-8 and T199-8 are available in a 5" depth. Suffix catalog number with -5 when ordering this model. (Example-199-8-5)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal protective enclosure shall be Soundolier model ____________ (199-8, 199-8-5, T199-8, T199-8-5) or approved equal. The enclosure shall be constructed of 18 gauge cold rolled steel with the interior undercoated to prevent metallic resonance. The enclosure shall have four combination 1/2"-3/4"-1" conduit knockouts. (If specifying the 199-8 or 199-8-5) – The enclosure shall have 8-32 U-Clips recessed in each corner and at the proper dimensions to accept the specified baffle. (If specifying the T199-8 or T199-8-5) – The enclosure shall have slotted receptacles to accept the torsion springs of the specified baffle. The dimensions shall be 8-3/4" X 8-3/4" X (3-5/8" or 5" deep).

The finish of the enclosure shall be a rust preventative coating. The enclosure shall mount Soundolier model ____________ loudspeaker baffle or approved equal.



Model	Dimensions	Mounts Baffle Models
199-8	8-3/4" x 8-3/4" x 3-5/8"	10-8, 12-8, 15-8, 51-8, 60-8, M222, 61-8, 63-8, 68-8, 162-8, 165-8, P900
199-8-5	8-3/4" x 8-3/4" x 5"	" " " "
T199-8	8-3/4" x 8-3/4" x 3-5/8"	T51-8, T60-8, TM222, T61-8, T68-8
T199-8-5	8-3/4" x 8-3/4" x 5"	" " " "

Soundolier Inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870
TELEX 44-865

RECESSED CEILING BAFFLES

TRIM RING AND SQUARES

P SERIES / HIGH IMPACT POLYSTYRENE

SECTION
A

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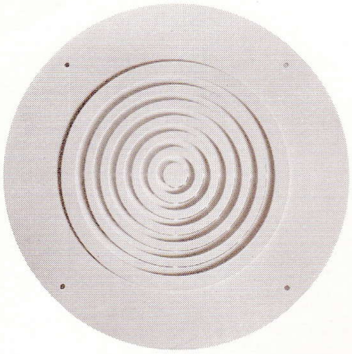
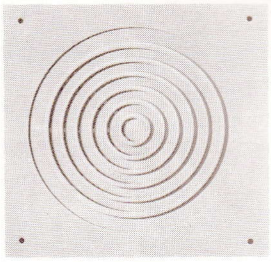
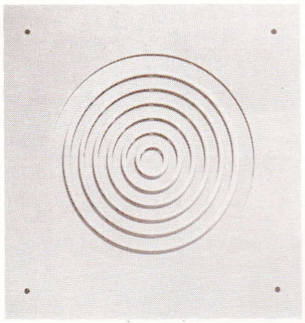


P-900



P-910



P-912

P-900 series is a beautiful high impact polystyrene plastic recessed trim ring finished in an attractive polar white. The acoustical louvers are designed for maximum sound transmission and dispersion. The speaker cone is not visible through the louver. The high impact polystyrene will not crack or chip and does not have any components which promote mildew growth. While the finish is very attractive, it is also easily repainted at the factory or on the job to match any decor. Self tapping screws mount the speaker and they are completely hidden.

P-910 series is similar to the P-900 series except square. All the above features are included.

P-912 series is similar to the P-910 series only larger. All features remain the same.

AVAILABLE MODELS

MODEL NO.	SPK. SIZE	ENCL.	PL. RING	DIMENSIONS
P-900	8″	95-8	75-8, 76-8	12¾″ dia.
P-910	8″	193-8	—	10½ x 10½″
P-912	8″	198-8	—	12½ X 12½″

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker baffle shall be a Soundlier__________ or approved equal. The sound emission area shall be louvered for maximum sound transmission and dispersion. Speaker mounting hardware shall not be visible. The plastic shall be a high impact polystyrene and shall not have components promoting mildew growth. The Soundlier__________________ shall mount to a Soundlier________________ enclosure or a Soundolier________________ plaster ring or approved equal.

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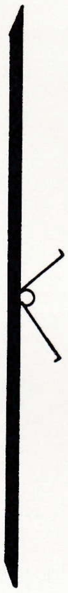
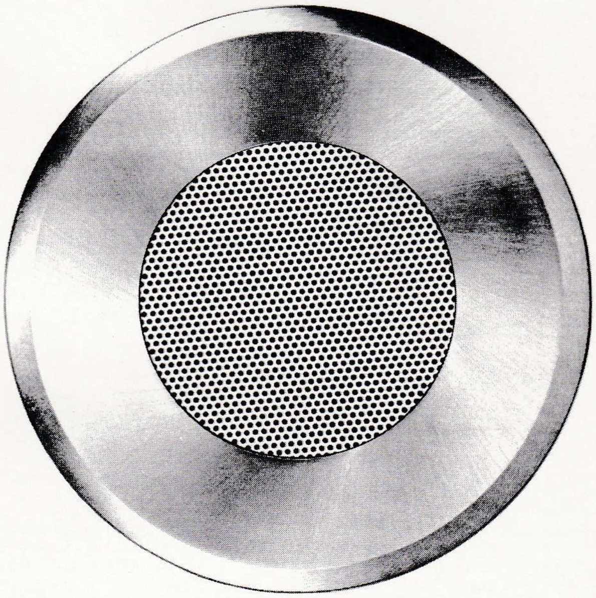
NEW TORSION SPRING BAFFLES

The T-610-8 is a new attractive trim ring with simple modern lines. Torsion spring mounting eliminates unsightly mounting holes and allows for quick, efficient and economical installation.

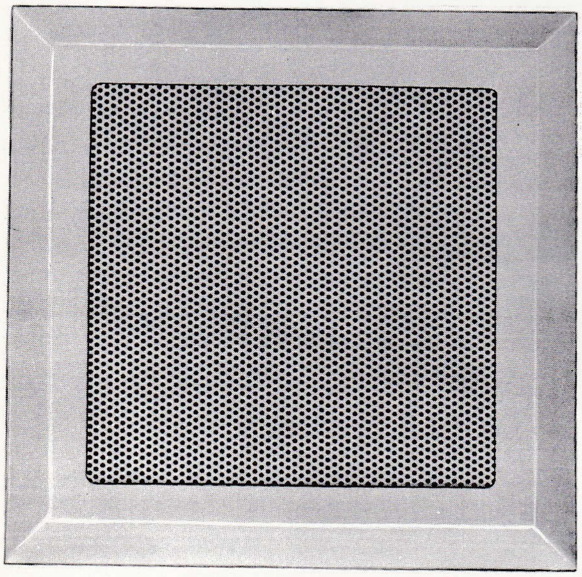
Construction is of 20 gauge c.r.s. The standard finish is the well known Soundolier simulated stainless on the ring and silver grey on the perforated grille. Baked polar white is also available as an alternate. For 8" speakers only. The T-610-8 mounts to Soundolier model T-95-8 enclosure, T-75-8 or T-76-8 plaster rings.

Dimension . . . . 12-7/8" Dia.

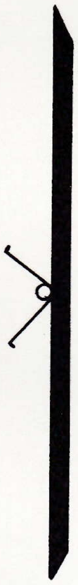




T-610



T-620



T-620-8 is the new trim square companion to the T-610 series. Torsion spring mounting completes its attractive appearance by eliminating mounting holes. The T-620-8 is contructed with a front and back mounting plate thus preventing bass leak. The speaker is mounted on four studs and gasketed. Construction is 20 gauge c.r.s. and the finish is baked white enamel. Mounts 8" speakers only.

T-620-8 mounts to Soundolier T-198-8 enclosure.

Dimension . . . . 11-5/8" X 11-5/8"

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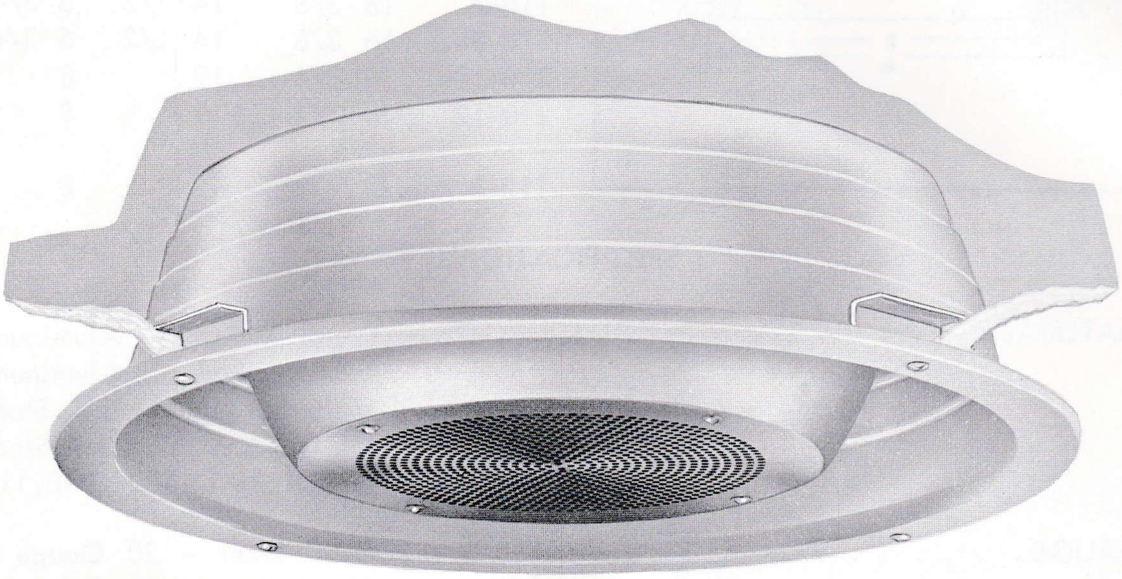
110 SERIES 112 SERIES
WIDE ANGLE RECESSED CEILING BAFFLES

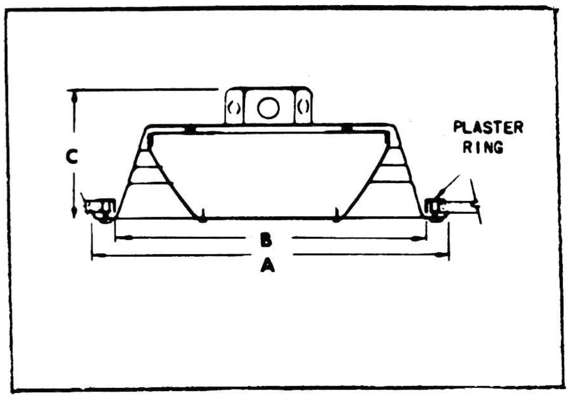


110 SERIES - The 110 series baffle includes an acoustical horn radiating the sound energy from the rear of the loudspeaker for excellent coverage and increased efficiency. The throat of the horn is designed to provide phase inverter action for a more extended bass response. Acoustical and mechanical treatment consists of patched jute lining, undercoating and concentric reinforcement rings. The entire baffle is flush, eliminating all protrusions below the ceiling line. The protective enclosure is an integral part of the baffle and need not be ordered or specified separately. The plaster ring, four inch outlet box and hardware is included. Finishes available are noted on the reverse side.

112 SERIES - The 112 series baffle is identical in physical dimensions to the 110-12 with the exception of provisions to mount an eight inch loudspeaker. This is especially desirable for low resonance loudspeakers where additional volume is desired.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE
110-6	6"
110-7	7"
110-8	8"
110-10	10"
110-12	12"
112-8	8"



DIMENSIONAL SPECIFICATIONS

MODEL	A	B	C
110-6	14 5/8	12 1/2	5 1/2
110-7	16 3/8	14 1/2	5 3/4
110-8	16 3/8	14 1/2	5 3/4
110-10	20 3/4	19	8
110-12	20 3/4	19	8
112-8	20 3/4	19	8

SPECIFICATIONS

MATERIAL	Outer enclosure - Aluminum Inner enclosure - Aluminum Mounting Plate - C.R.Steel Plaster Ring - C.R.Steel On all but 110-7,110-8,112-8
GAUGE	C. R. Steel - 20 Gauge Aluminum - 18 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT. . .	Outer enclosure -concentric reinforcement rings Inner enclosure- sheet metal deadner and patched jute lining General - compliant connection between enclosures

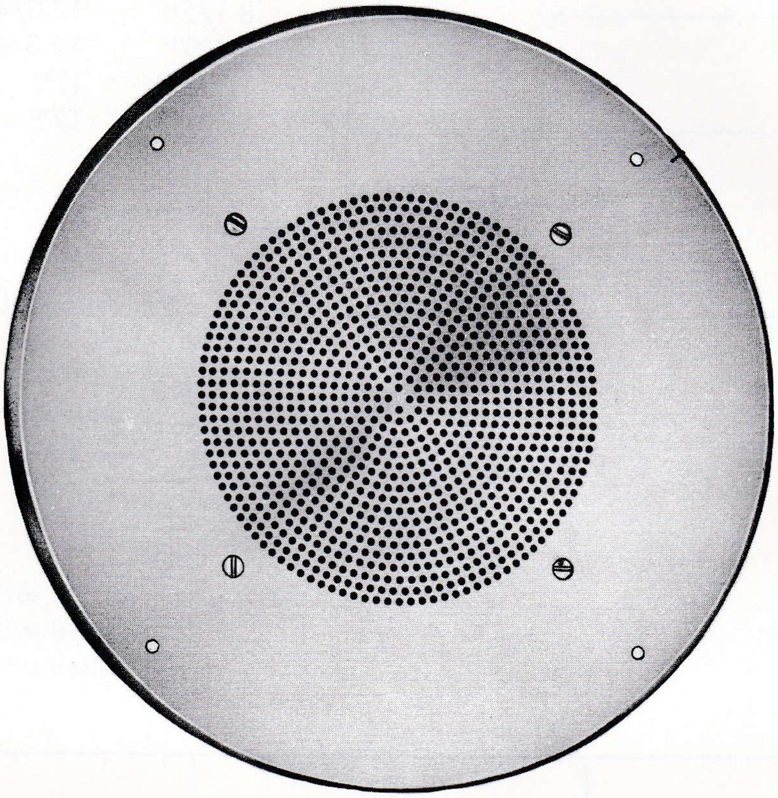
FINISH CHART

SUFFIX CAT. NO.	OUTER ENCLOSURE	INNER ENCLOSURE
	Flat polar white	Brushed satin aluminum
BS	Flat polar white	Brushed satin brass
BE	Flat polar white	Brushed satin bronze
2 AL	Brushed satin aluminum	Brushed satin aluminum
2 BS	Brushed satin brass	Brushed satin brass
2 BE	Brushed satin bronze	Brushed satin bronze

MOUNTING INSTRUCTIONS

The 110 series includes a plaster ring, built in enclosure, four inch outlet box and all necessary hardware - they need not be specified separately. In existing construction, the plaster ring is discarded and the baffle is mounted through 4 holes in mounting lip. In new construction, the plaster ring is used in conventional manner. The inner enclosure houses the speaker and may be removed without the use of tools. To remove, allow the heel of the hands to hold the inner enclosure while the ring fingers depress two of the locking buttons. Simultaneously lift away from the outer enclosure and slide toward the undepressed button. To insert inner enclosure, insert one button, hold the inner enclosure with the heel of the hands while depressing the two remaining buttons with ring fingers. Slide toward depressed buttons as enclosure is inserted.

60 SERIES
RECESSED TRIM RING BAFFLES

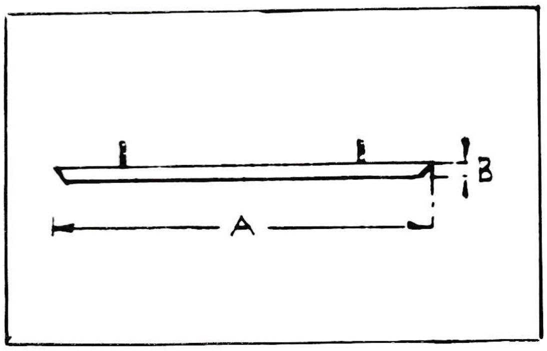


60 SERIES - The 60 series baffle is an aluminum trim ring with a beautiful satin brushed finish. Simple lines blend well with the modern architectural interior and provide a truly flush appearance.

FINISHES - The standard finish is satin brushed aluminum. The unit can be furnished in satin brushed brass or satin brushed bronze. Suffix catalog number with "BS" when ordering brass and "BE when ordering bronze finish.

AVAILABLE MODELS

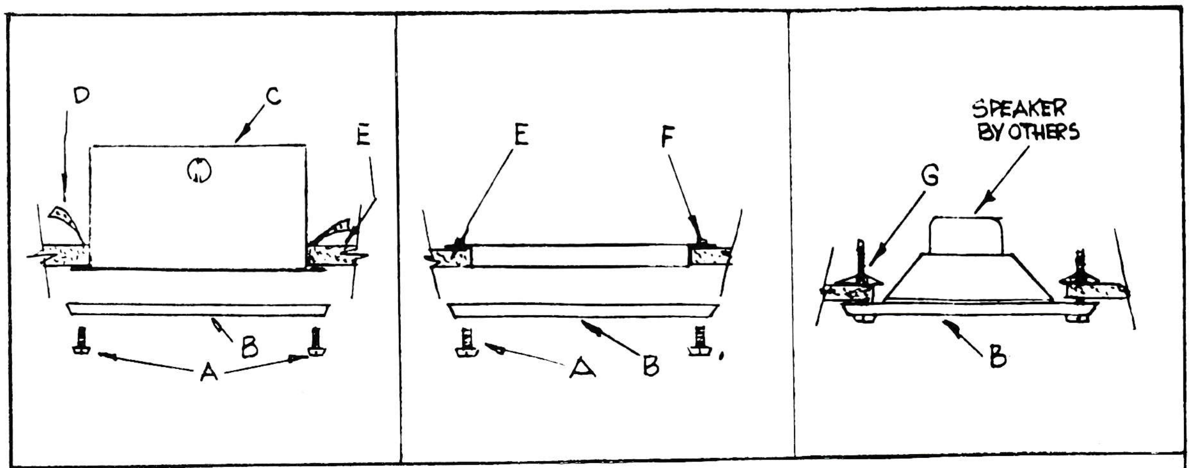
CATALOG NO.	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
60-5	5"	95-6	75-6, 76-6
60-6	6"	95-6	75-6, 76-6
60-7	7"	95-8	75-8, 76-8
60-8	8"	95-8	75-8, 76-8
60-10	10"	95-12	75-12, 76-12
60-12	12"	95-12	75-12. 76-12



CAT. NO.	HOLE SIZE REQ'D IN CEILING	DIMENSIONS A	B
60-5	7"	11"	5/16"
60-6	7"	11"	5/16"
60-7	8 1/2"	12 3/4"	5/16"
60-8	8 1/2"	12 3/4"	5/16"
60-10	12 1/2"	17"	5/16"
60-12	12 1/2"	17"	5/16"

SPECIFICATIONS

MATERIAL	Aluminum (2S - 1/2H)
GAUGE	Aluminum - 20 Gauge
FINISH	Brushed satin aluminum Brushed satin brass Brushed satin bronze



A — 4 8-32 machine screws, bright cadmium plate heads. Connects baffle to 95 series enclosure.

B — Baffle.

C — 95 series enclosure. Must be ordered and specified separately when used.

D — Mounting straps on 95 series enclosures. Bent to proper plaster thickness.

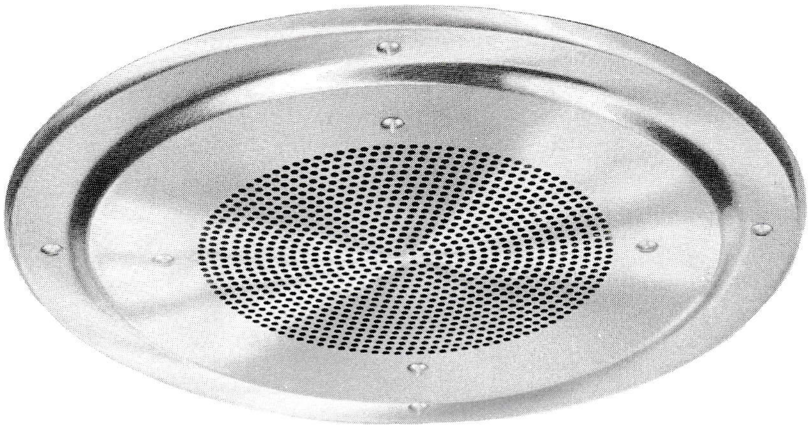
E — Plaster or acoustical tile.

F — 75 series plaster ring must be ordered and specified separately when needed.

G — Toggle bolts, furnished by others.

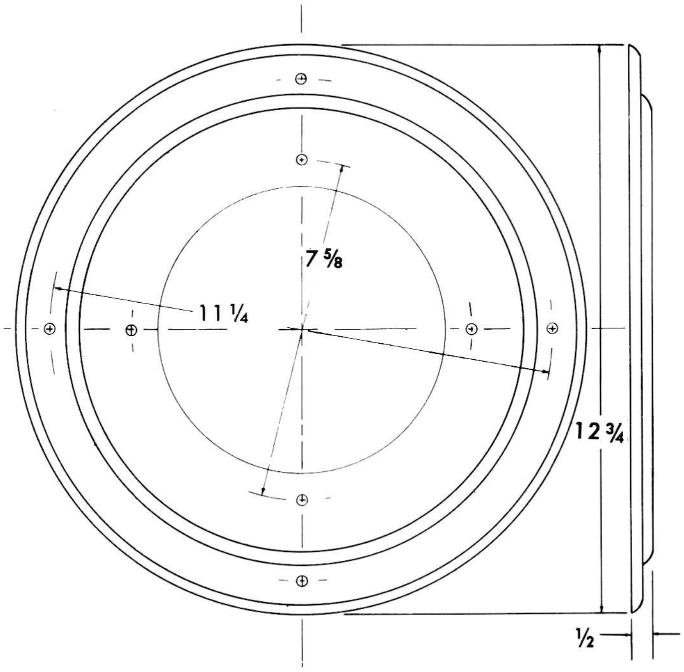
M-222

RECESSED TRIM RING BAFFLE



M-222 TRIM RING is a 20 gauge aluminum baffle with a satin brushed finish that will blend well with the modern architectural interior. The surface is protected by a baked-on varnish coat. In addition to the standard satin aluminum finish, M-222 can be furnished in satin brushed brass or satin brushed bronze. Suffix the catalog number with "BS" when ordering brass and "BE" when ordering the bronze finish.

M-222 trim ring mounts to Soundolier model 95-8 protective enclosure, or the 75-8 and 76-8 plaster rings. Mounts standard 8" speakers only.



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal loud speaker baffle shall be Soundolier model M-222 or approved equal. The baffle shall be constructed of 20 gauge aluminum, and shall have a satin finish which shall be protected by a baked varnish coat to prevent tarnishing. The baffle shall mount to Soundolier model 95-8 protective enclosure, or 75-8 or 76-8 plaster ring. The baffle shall mount a standard 8" speaker.

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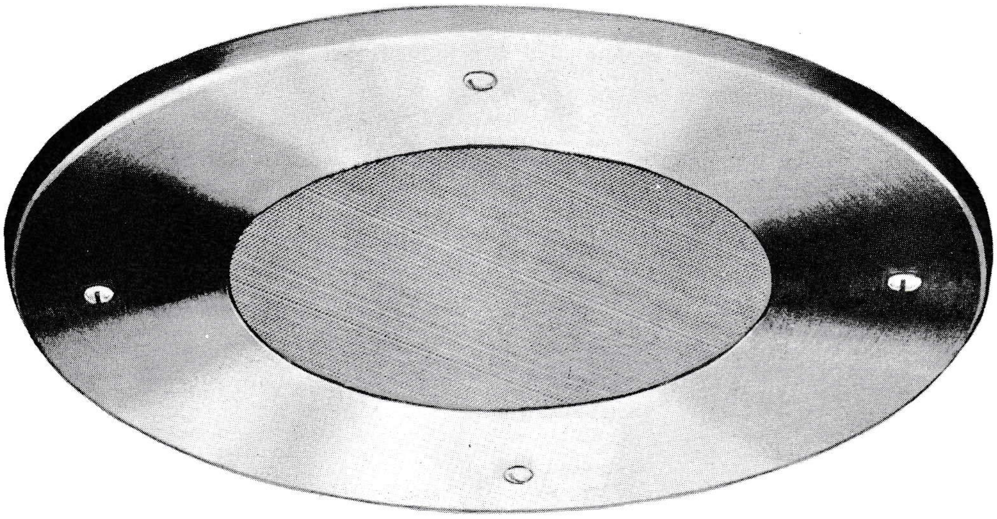
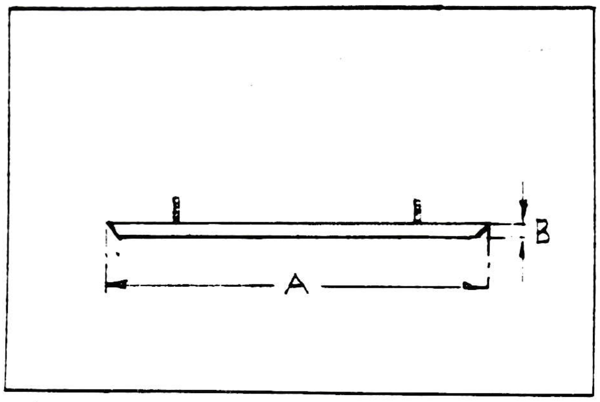
61 SERIES
RECESSED TRIM RING BAFFLES



61 SERIES - The 61 series baffle is a steel trimring with a high polished finish. A hard baked varnish coating prevents the formation of rust. The sturdy steel construction eliminates "give" when pressure is applied to mounting screws and also guards against vibration and rattle. A unique welded stud arrangement for loudspeaker mounting eliminates the exposure of four screw heads (note photograph). The standard finish is a simulated stainless steel. The unit can be furnished in a prime coat. Suffix catalog number with "P" when ordering a prime coat.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
61-5	5"	95-6	75-6, 76-6
61-6	6"	95-6	75-6, 76-6
61-7	7"	95-8	75-8, 76-8
61-8	8"	95-8	75-8, 76-8
61-10	10"	95-12	75-12, 76-12
61-12	12"	95-12	75-12, 76-12

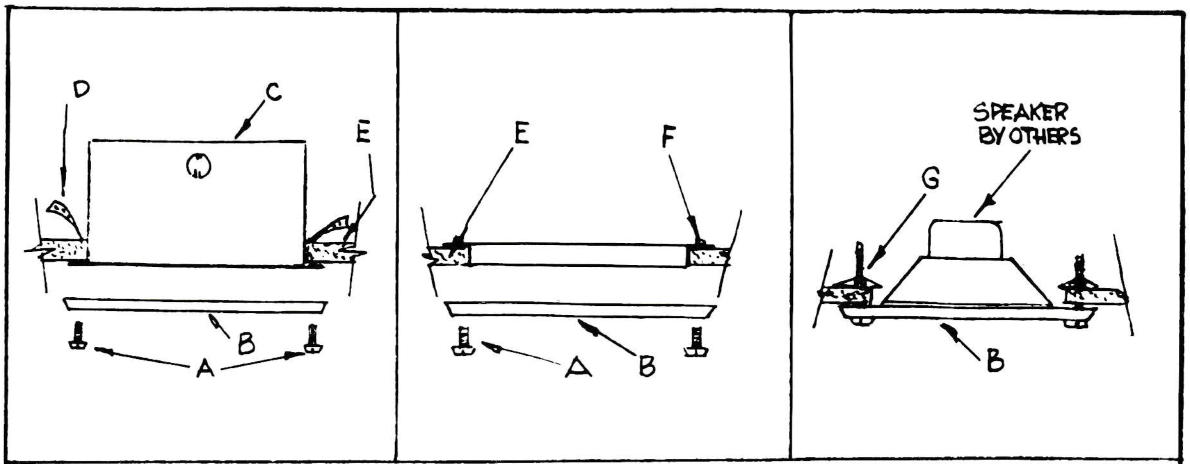


DIMENSIONAL SPECIFICATIONS

CAT. NO.	HOLE SIZE REQ'd -CLG.	DIMENSIONS A	B
61-5	7"	11"	5/16"
61-6	7"	11"	5/16"
61-7	8 1/2"	12 3/4"	5/16"
61-8	8 1/2"	12 3/4"	5/16"
61-10	12 1/2"	17"	5/16"
61-12	12 1/2"	17"	5/16"

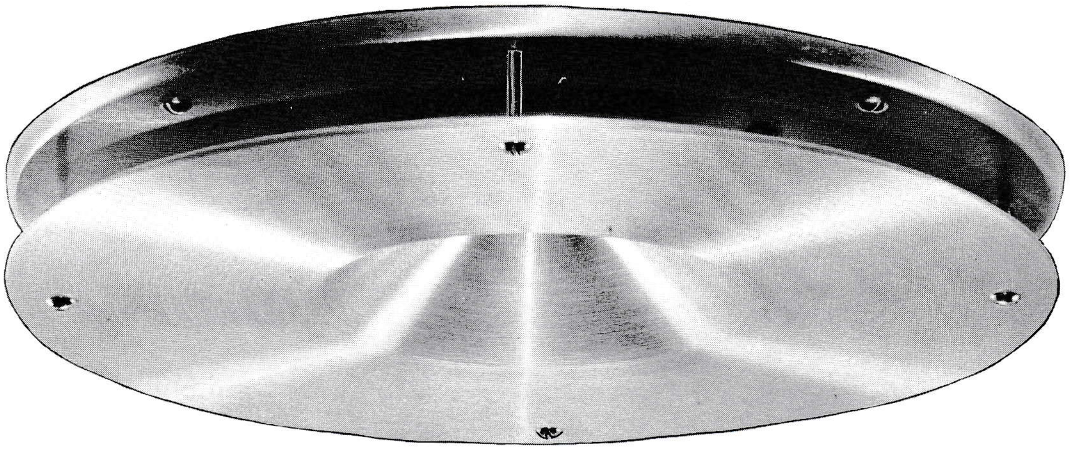
SPECIFICATIONS

MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Steel construction
FINISH	High polished baked varnish Prime coat



A	4 8-32 machine screws, bright cadmium plate heads. Connects baffle to 95 series enclosure.
B	Baffle.
C	95 series enclosure. Must be ordered and specified separately when used.
D	Mounting straps on 95 series enclosures. Bent to proper plaster thickness.
E	Plaster or acoustical tile.
F	75 series plaster ring must be ordered and specified separately when needed.
G	Toggle bolts, furnished by others.

68 SERIES
LOW CEILING RECESSED BAFFLES

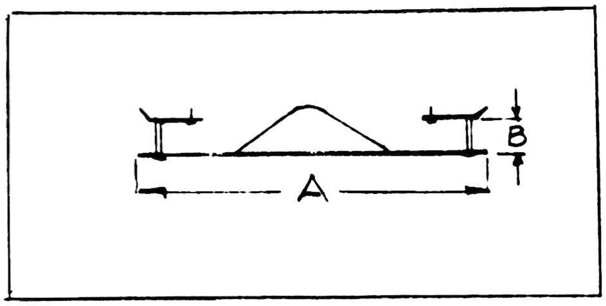


68 SERIES - The 68 series is a recessed trimring baffle featuring a brushed aluminum diffractor for the elimination of beaming in low ceiling installations. Simple lines create a modernistic appearance. The standard finish is satin brushed aluminum. The unit can also be furnished in satin brushed brass or satin brushed bronze. Suffix the catalog number with "BS" when ordering the brass finish or "BE" when ordering the bronze finish.

The 68 series may also be furnished in steel. The finish is a high polish with a baked varnish coating. When ordering steel, suffix the catalog number with "SL".

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
68-6	6"	95-6	75-6, 76-6
68-7	7"	95-8	75-8, 76-8
68-8	8"	95-8	75-8, 76-8

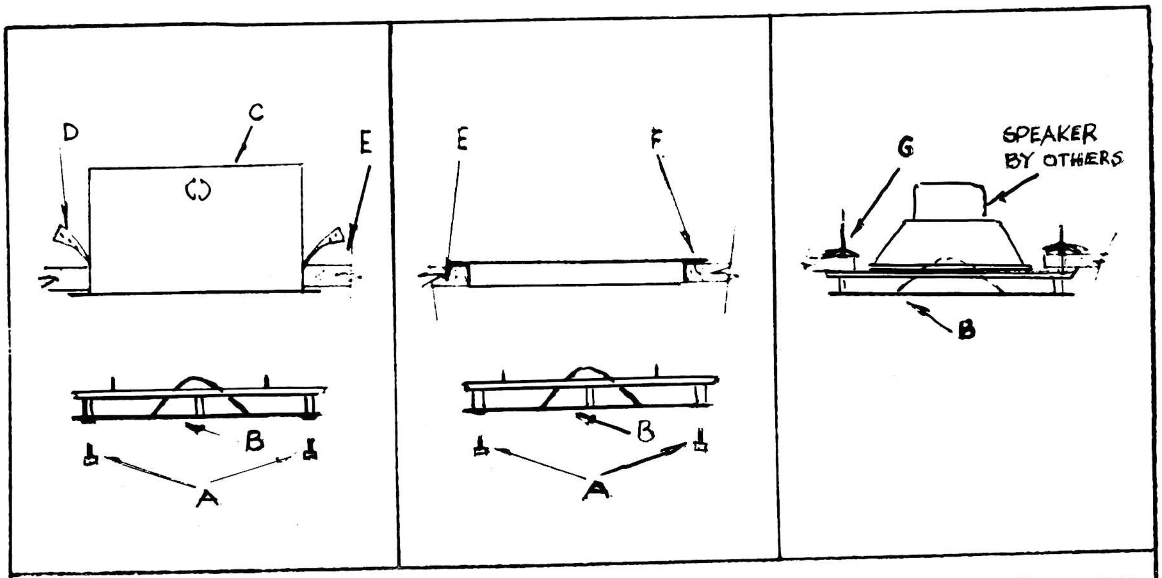


DIMENSIONAL SPECIFICATIONS

CAT. NO.	HOLE SIZE REQ'd -CLG.	DIMENSIONS A	DIMENSIONS B
68-6	7"	11"	1 5/16
68-7	8 1/2"	12 3/4"	1 5/16
68-8	8 1/2"	12 3/4"	1 5/16

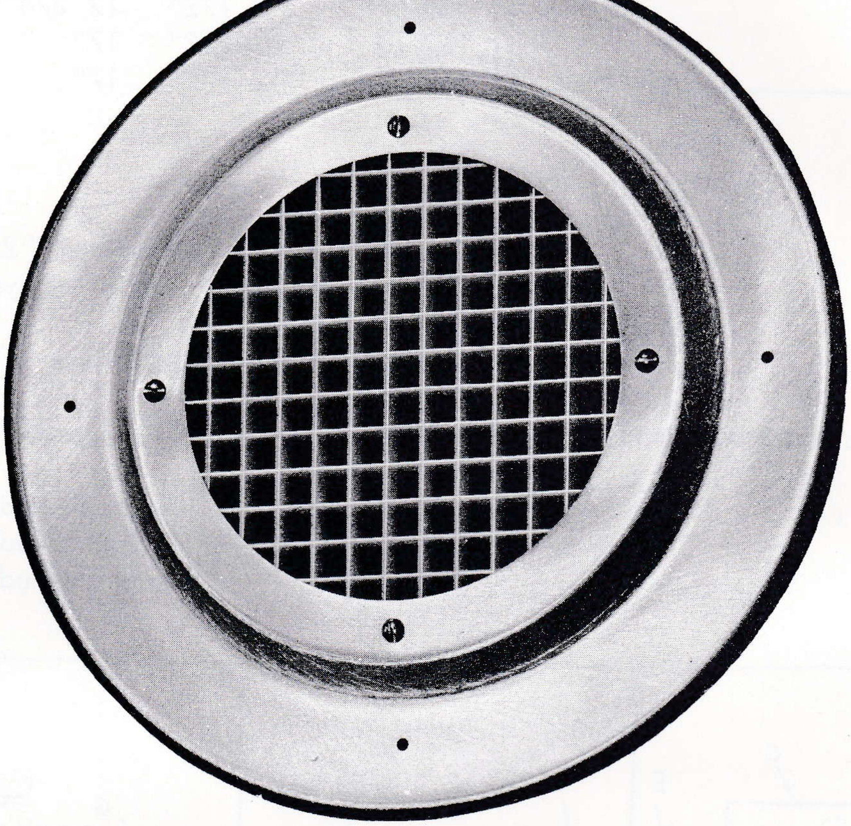
SPECIFICATIONS

MATERIAL	Aluminum - (2S - 1/2H) C.R.Steel (when specified)
GAUGE	Aluminum - 20 Gauge C. R. Steel- 20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Sheet metal deadner
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze Steel - High polish baked varnish



A	4 8-32 machine screws, bright cadmium plate heads. Connects baffle to 95 series enclosure.
B	Baffle.
C	95 series enclosure. Must be ordered and specified separately when used.
D	Mounting straps on 95 series enclosures. Bent to proper plaster thickness.
E	Plaster or acoustical tile.
F	75 series plaster ring must be ordered and specified separately when needed.
G	Toggle bolts, furnished by others.

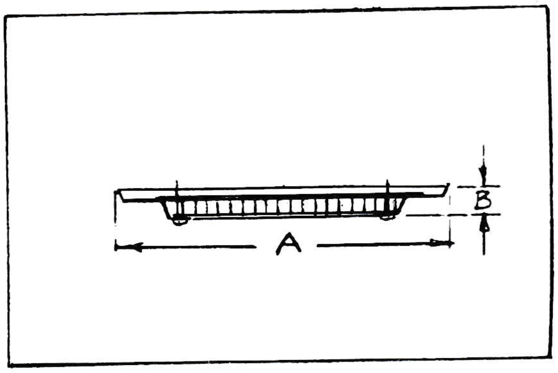
162 SERIES RECESSED TRIM RINGS WITH ACOUSTILOUVER



162 SERIES - The 162 series is a recessed trim ring featuring the exclusively new acoustilouver designed to match the modern louvers in the most advanced styled lighting equipment. Molded of polystyrene, the new acoustilouver blends beautifully with the satin finish of the trim ring. A gasket backing guards against vibration or rattle. The standard finish is satin brushed aluminum. The unit can be furnished in satin brushed brass or satin brushed bronze. Suffix the catalog number with "BS", when ordering brass finish or "BE" when ordering a bronze finish.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
162-6	6"	95-6	75-6, 76-6
162-7	7"	95-8	75-8, 76-8
162-8	8"	95-8	75-8, 76-8
162-10	10"	95-12	75-12, 76-12
162-12	12"	95-12	75-12, 76-12

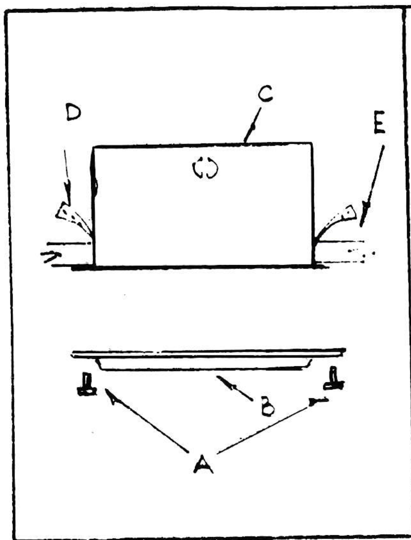


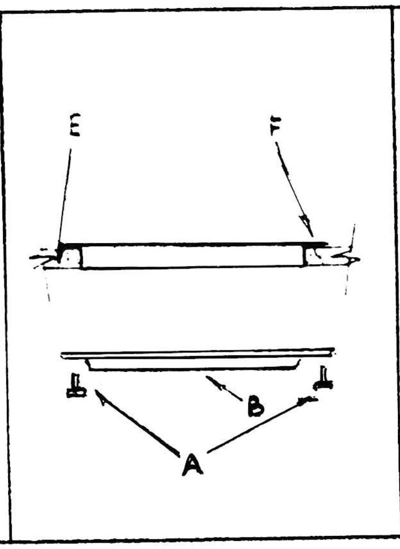
DIMENSIONAL SPECIFICATIONS

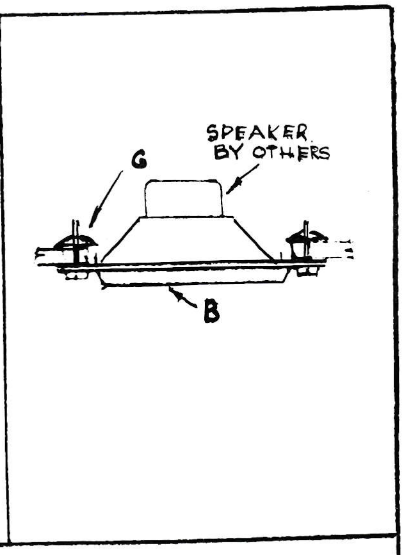
CATALOG NUMBER	HOLE SIZE REQ'd-CLG	DIMENSIONS A	B
162-6	7"	11"	7/8"
162-7	8 1/2"	12 3/4"	7/8"
162-8	8 1/2"	12 3/4"	7/8"
162-10	12 1/2"	17"	7/8"
162-12	12 1/2"	17"	7/8"

SPECIFICATIONS

MATERIAL	Aluminum (2S - 1/2H) Grille - polystyrene
GAUGE	Aluminum 20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT.	Glued gasket backing
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze

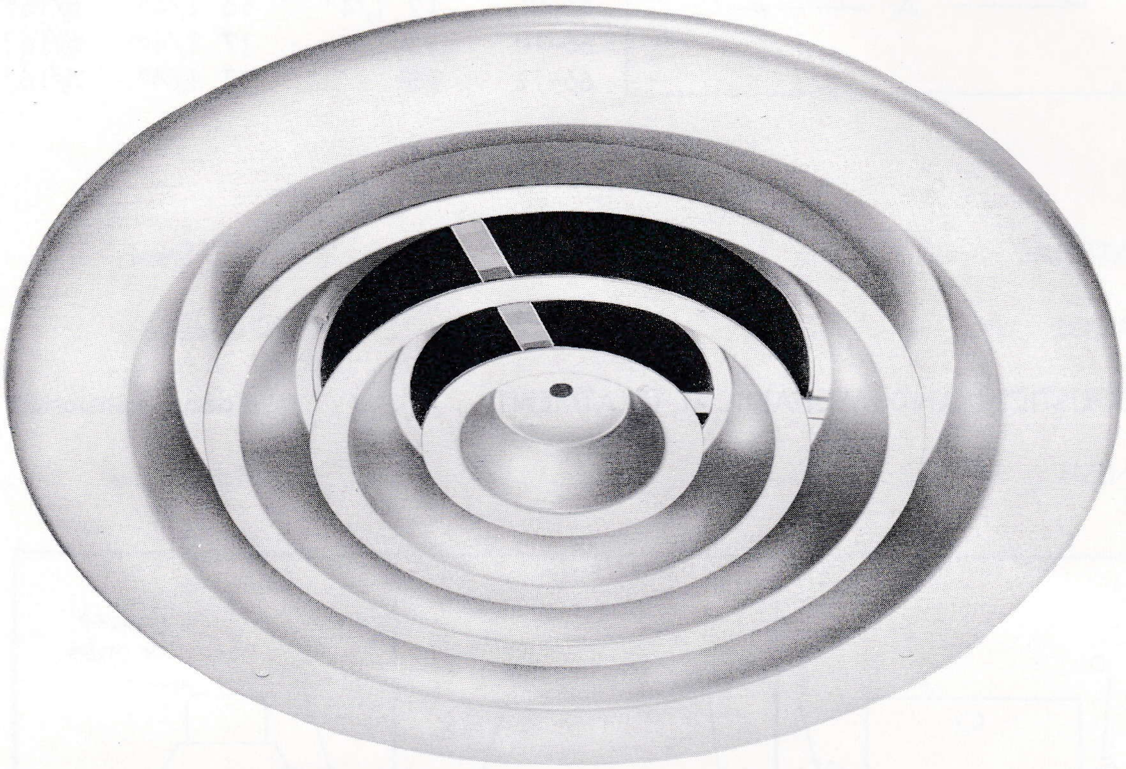






A	4 8-32 machine screws, bright cadmium plate heads. Connects baffle to 95 series enclosure.
B	Baffle.
C	95 series enclosure. Must be ordered and specified separately when used.
D	Mounting straps on 95 series enclosures. Bent to proper plaster thickness.
E	Plaster or acoustical tile.
F	75 series plaster ring must be ordered and specified separately when needed.
G	Toggle bolts, furnished by others.

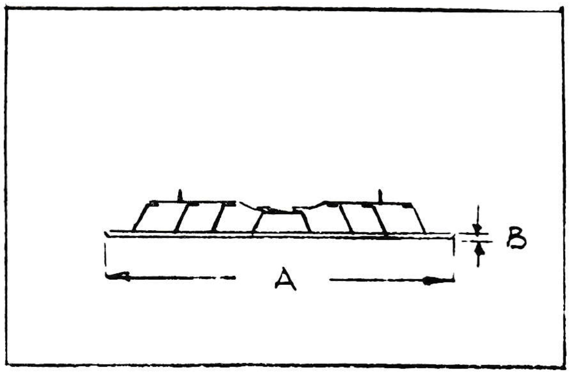
66 SERIES
LOUVERED RECESSED CEILING BAFFLES



66 SERIES - The 66 series is a louvered recessed ceiling baffle designed to match the more expensive air diffusers. Each louver is constructed of heavy gauge steel and dimensioned to effectively diffuse the high frequencies. The entire baffle is of welded construction thus eliminating vibration and rattle. The standard finish is a highly polished steel with a baked coating very closely resembling a stainless steel finish.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
66-6	6"	95-8	75-8, 76-8
66-7	7"	95-10	75-10, 76-10
66-8	8"	95-10	75-10, 76-10
66-10	10"	95-12	75-12, 76-12
66-12	12"	95-12	75-12, 76-12

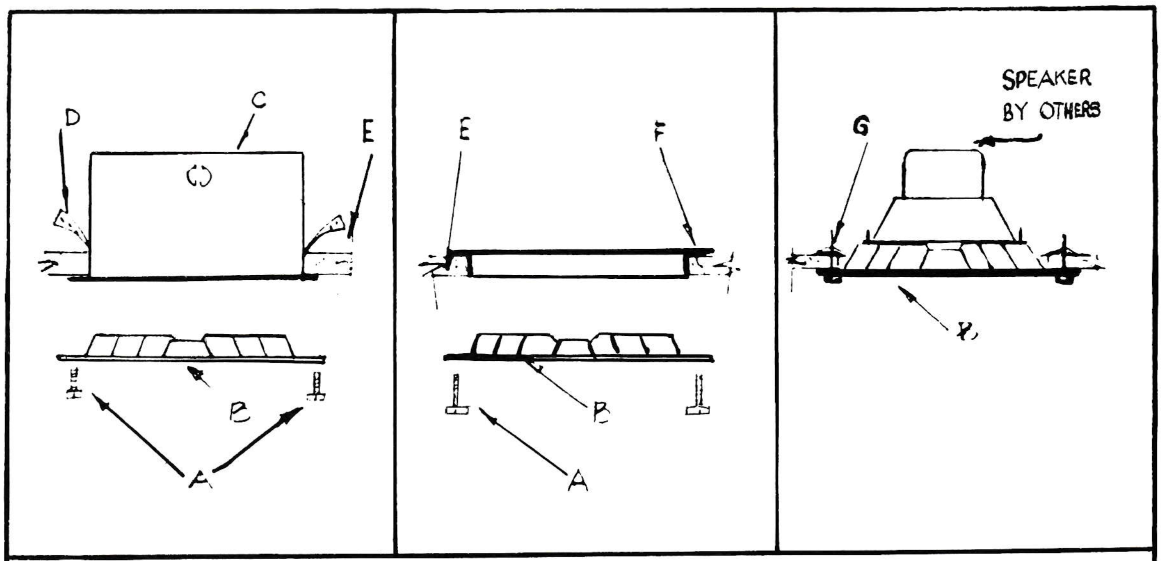


DIMENSIONAL SPECIFICATIONS

CATALOG NUMBER	HOLE SIZE REQ'd-CLG	DIMENSIONS A	B
66-6	8 3/4"	12 1/4"	5/16"
66-7	12 1/4"	15 1/4"	5/16"
66-8	12 1/4"	15 1/4"	5/16"
66-10	15"	17 1/4"	5/16"
66-12	15"	17 1/4"	5/16"

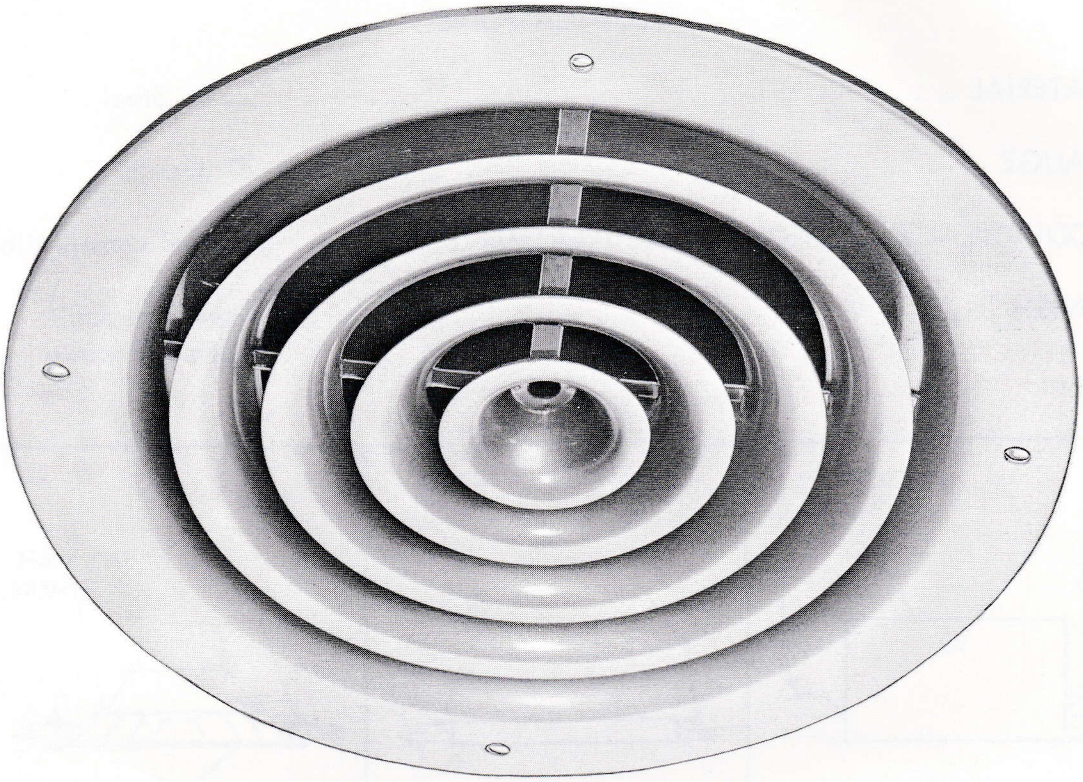
SPECIFICATIONS

MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Welded construction
FINISH	Polished steel



A 4 8-32 machine screws, bright cadmium plate heads. Connects baffle to 95 series enclosure.
B Baffle.
C 95 series enclosure. Must be ordered and specified separately when used.
D Mounting straps on 95 series enclosures. Bent to proper plaster thickness.
E Plaster or acoustical tile.
F 75 series plaster ring must be ordered and specified separately when needed.
G Toggle bolts, furnished by others.

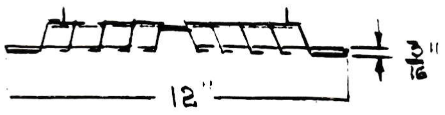
67 SERIES
LOUVERED RECESSED CEILING BAFFLES



67 SERIES - The 67 series is an economical louvered recessed ceiling baffle strikingly similar to many low cost air diffusers. The entire baffle is of welded construction thus eliminating vibration and rattle. The standard finish is an aluminum paint. The unit can be furnished in a flat polar white. Suffix the catalog number with "W" when white paint finish is desired.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
67-8	8"	95-8	75-8, 76-8

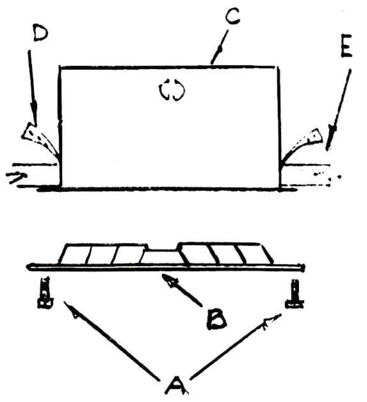


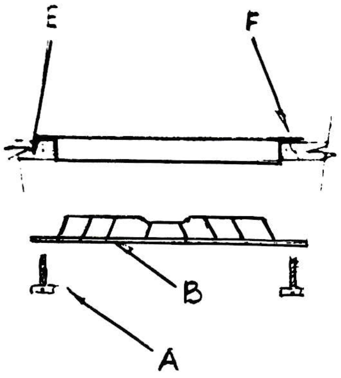
DIMENSIONAL SPECIFICATIONS

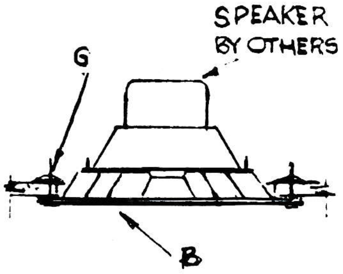
CATALOG NUMBER	HOLE SIZE REQ'D IN CEILING
67-8	10 1/4"

SPECIFICATIONS

MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Welded construction
FINISH	Aluminum paint Flat polar white

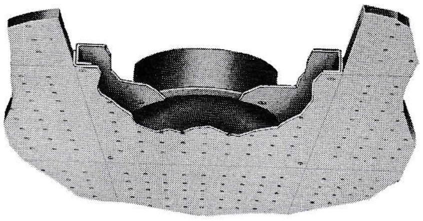




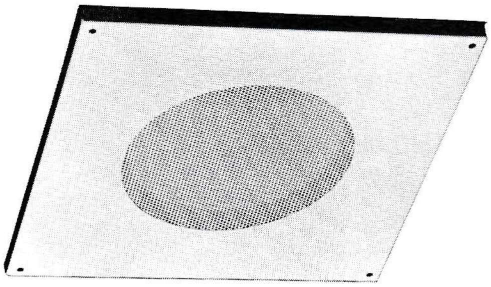


A	4 8-32 machine screws, bright cadmium plate heads. Connects baffle to 95 series enclosure.
B	Baffle.
C	95 series enclosure. Must be ordered and specified separately when used.
D	Mounting straps on 95 series enclosures. Bent to proper plaster thickness.
E	Plaster or acoustical tile.
F	75 series plaster ring must be ordered and specified separately when needed.
G	Toggle bolts, furnished by others.

10 SERIES 12 SERIES
ACOUSTICAL TILE REPLACEMENT BAFFLES



10 SERIES



12 SERIES

10 SERIES - The 10 series baffle is designed to match a 12" x 12" acoustical tile block. This unit is ideal for complete loudspeaker concealment. Standard finish is a flat polar white.

For a more complete match the following information should be provided upon ordering:

(1) Tile thickness (5/8" or 3/4")
(2) Random or regular pattern - suffix catalog number with R when random is desired.

AVAILABLE MODELS

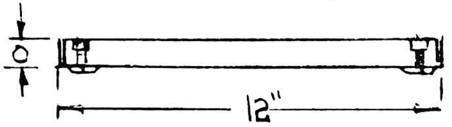
CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE
10-7	7"	95-8
10-8	8"	95-8

12 SERIES - The 12 series baffle is designed to match a 12" x 12" acoustical tile block and features a round loudspeaker cutout without perforations. Finish is flat polar white.

AVAILABLE MODELS

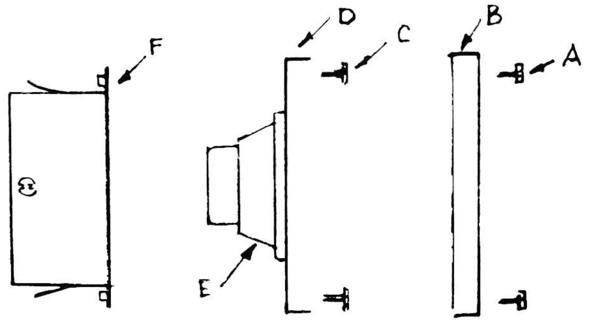
CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE
12-7	7"	95-8
12-8	8"	95-8

SPECIFY DIMENSION O
WHEN KNOWN ($\frac{5}{8}$" OR $\frac{3}{4}$")



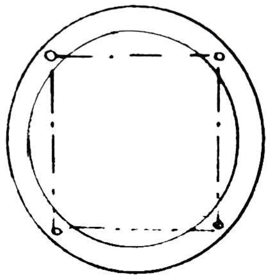
SPECIFICATIONS

MATERIAL	C. R. Steel	
GAUGE	Back plates	- 20 Gauge
	Front plate (10 series)	- 24 Gauge
	Front plate (12 series)	- 20 Gauge
FINISH	Flat polar white	



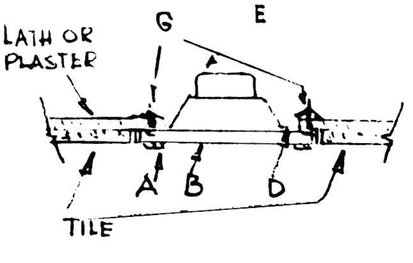
10 OR 12 SERIES EXPLODED VIEW

A	4 8-32 machine screws, white heads. Connects exposed plate to mounting plate. Furnished with 10 or 12 series.
B	Exposed plate, furnished with 10 or 12 series.
C	4 8-32 machine screws. Connects mounting plate to 95 series enclosure if used.
D	Mounting plate, furnished with 10 or 12 series.
E	Speaker, furnished by others.
F	95 series protective enclosura, must be ordered and specified separately if used.
G	4 toggle bolts, furnished by others.



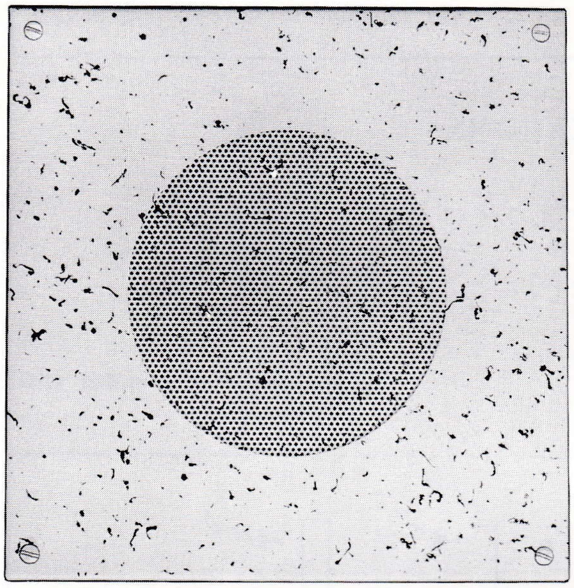
PLACE 95 SERIES ENCLOSURE IN CEILING WITH LINES CONNECTING THREADED INSERTS PARALLEL TO WALLS.

PLACEMENT OF 95 SERIES

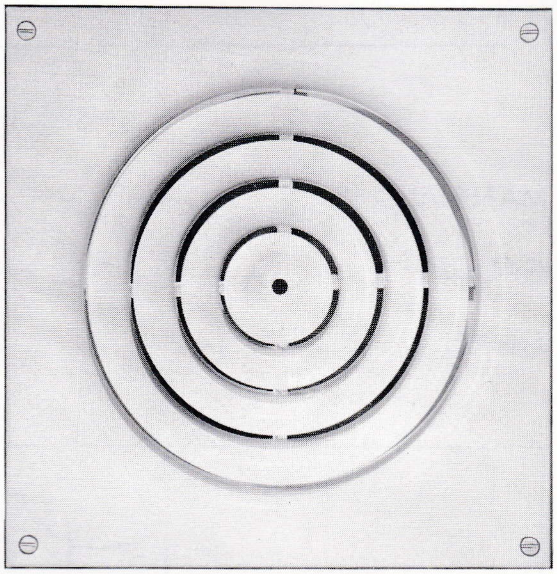


MOUNTING CROSSECTION
WITHOUT 95 SERIES ENCLOSURE

15 SERIES 17 SERIES
ACOUSTICAL TILE REPLACEMENT BAFFLES



15 SERIES



17 SERIES

15 SERIES - The 15 series baffle is designed to match a 12" x 12" acoustical tile block featuring a simulated striated tile finish. A circular loudspeaker cutout is provided.

AVAILABLE MODELS

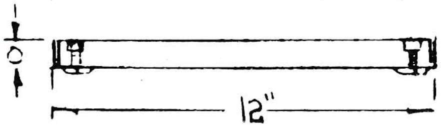
CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE
15-7	7"	95-8
15-8	8"	95-8

17 SERIES - The 17 series baffle is designed to match a 12" x 12" acoustical tile block and features a round loudspeaker diffuser strikingly similar to many air diffusers. Welded construction eliminates all vibration and rattle. This unit is ideal for tiled ceilings where high frequency diffusion is desired. The finish is flat polar white.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE
17-8	8"	95-8

SPECIFY DIMENSION O
WHEN KNOWN (5/8" OR 3/4")

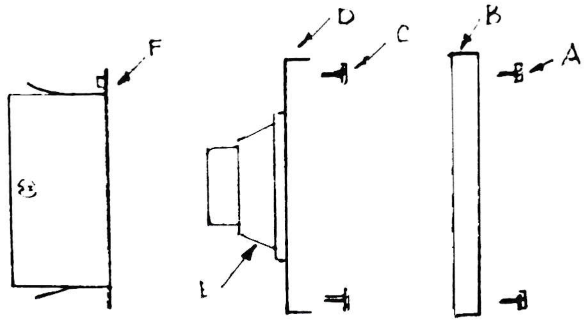


SPECIFICATIONS

MATERIAL . . . . C. R. Steel

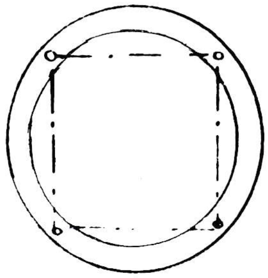
GAUGE . . . . 20 Gauge

FINISH . . . . 15 series - Striated finish
17 series - Flat polar white



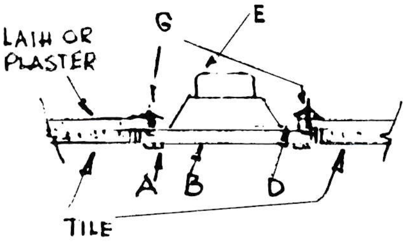
15 OR 17 SERIES EXPLODED VIEW

A 4 8-32 machine screws, white heads. Connects exposed plate to mounting plate. Furnished with 15 or 17 series.
B Exposed plate, furnished with 15 or 17 series.
C 4 8-32 machine screws. Connects mounting plate to 95 series enclosure if used.
D Mounting plate, furnished with 15 or 17 series.
E Speaker, furnished by others.
F 95 series protective enclosure, must be ordered and specified separately if used.
G 4 toggle bolts, furnished by others



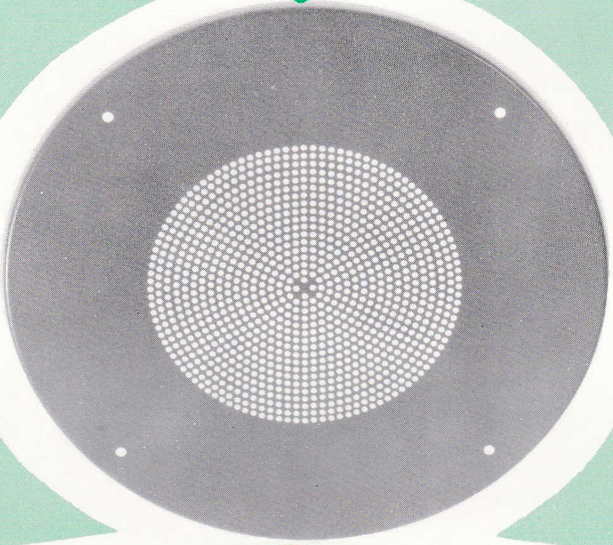
PLACE 95 SERIES ENCLOSURE IN CEILING WITH LINES CONNECTING THREADED INSERTS PARALLEL TO WALLS.

PLACEMENT OF 95 SERIES



MOUNTING CROSSECTION WITHOUT 95 SERIES ENCLOSURE

soundolier
ANNOUNCES 62-8 GRILLE
— NEW DESIGN —



Soundolier's brand new 62-8 brings you all the quality and dependability you expect from the trademark.

This new grille features four speaker mounting studs that makes speaker attachment easier and faster. It also provides a cleaner, more pleasing grille appearance by eliminating the four speaker screw holes in the grille face.

The 62-8 is constructed of sturdy, heavy gauge steel and furnished with our standard hard baked white enamel finish. Designed for use with any standard 8″ loudspeaker.

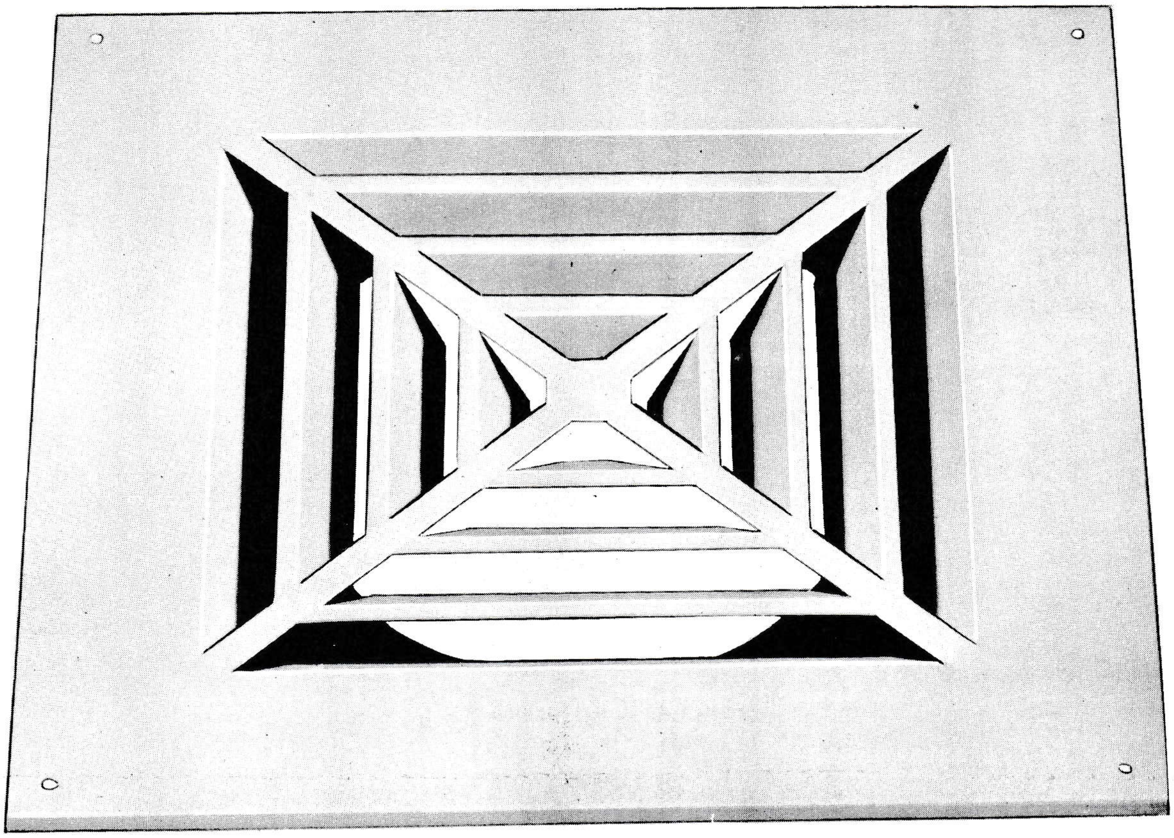
The 62-8 mounts to these popular enclosures:
95-8 — 96-8 — 199-8
and these plaster-mounting rings
75-8 — P77-8 — 75-8E1 — 76-8E1 — 81-8
76-8 — P78-8 — 75-8E2 — 76-8E2

Distributor	Cost
1-59	$1.90
60-199	$1.55
200 up	$1.45

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870

PRINTED IN U.S.A.

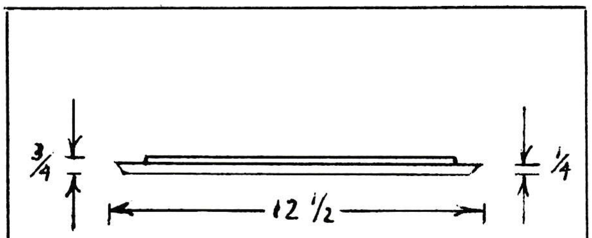
18 SERIES
LOUVERED RECESSED CEILING TRIM SQUARES



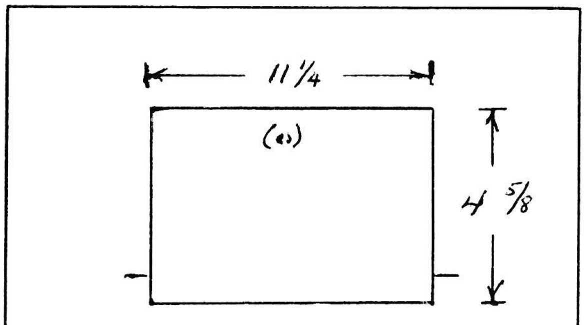
18 SERIES - The 18 series is an all steel louvered trim square designed to match many popular ceiling air diffusers. All louvers are formed inward thus presenting a true recessed appearance. Two piece construction prevents bass "leaks" while a one piece louvered construction guards against rattles. The standard finish is an aluminum paint. The unit can be furnished in a flat polar white. Suffix the catalog number with "W" when white paint finish is desired.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE
18 - 7	7"	196-78
18 - 8	8"	196-78



18-8



196-78

SPECIFICATIONS

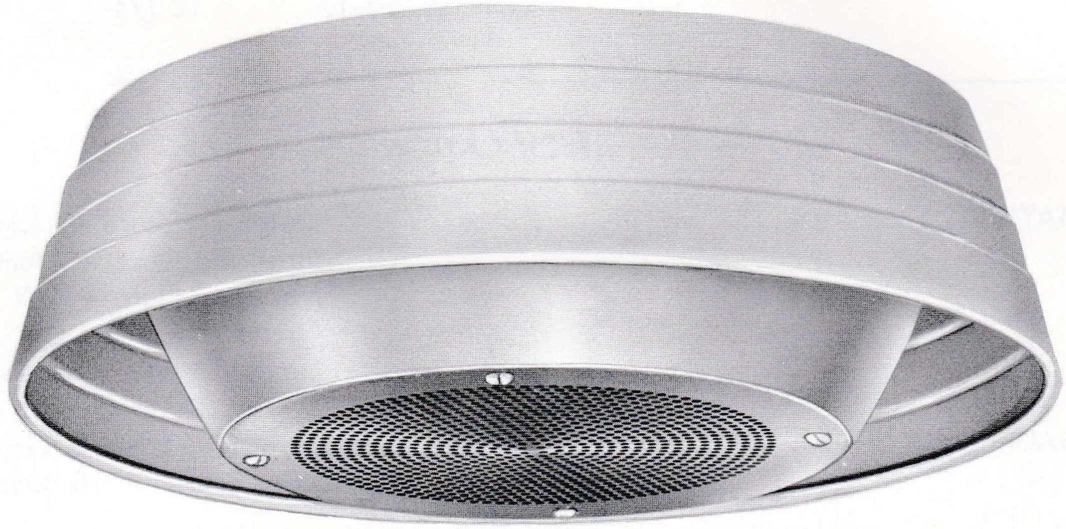
18 SERIES

MATERIAL	C. R. Steel
GAUGE	20 Gauge
FINISH	Aluminum Paint Polar White

196 SERIES

MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL TREATMENT	Sheet metal Deadner
FINISH	Rust Preventative coating

210 SERIES 212 SERIES
WIDE ANGLE SURFACE CEILING BAFFLES

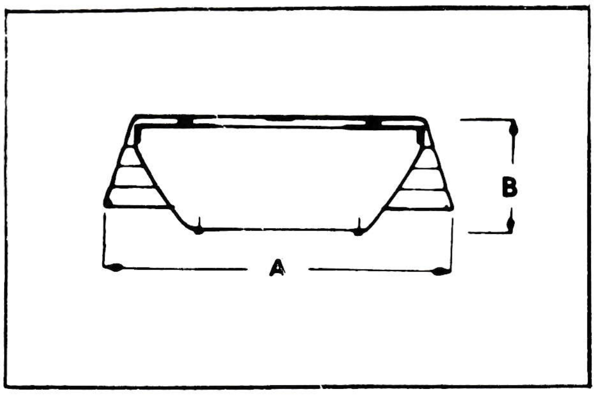


210 SERIES - The 210 series baffle includes an acoustical horn radiating the sound energy from the rear of the loudspeaker for excellent coverage and increased efficiency. The throat of the horn is designed to provide phase inverter action for a more extended bass response. Acoustical and mechanical treatment consists of patched jute lining, undercoating and concentric reinforcement rings. Simple lines and shallow appearance achieves in the 210 series an excellent match for modern architectural interiors. Finishes available are noted on the reverse side.

212 SERIES - The 212 series baffle is identical in physical dimensions to the 210-12 with the exception of provisions to mount an eight inch loudspeaker. This is especially desirable for low resonance loudspeakers where additional volume is desired.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE
210-6	6"
210-7	7"
210-8	8"
210-10	10"
210-12	12"
212-8	8"



DIMENSIONAL SPECIFICATIONS

MODEL	A	B
210-6	12	4
210-7	14 1/8	4 1/4
210-8	14 1/8	4 1/4
210-10	18 1/4	6 1/2
210-12	18 1/4	6 1/2
212-8	18 1/4	6 1/2

SPECIFICATIONS

MATERIAL	Outer enclosure - Aluminum Inner enclosure - Aluminum Mounting Plate - C.R.Steel Grille - C.R.Steel Except 210-7,210-8,212-8
GAUGE	C. R. Steel - 20 Gauge Aluminum - 18 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT. . .	Outer enclosure-concentric reinforcement rings Inner enclosure- sheet metal deadner and patched jute lining General - compliant connection between enclosures

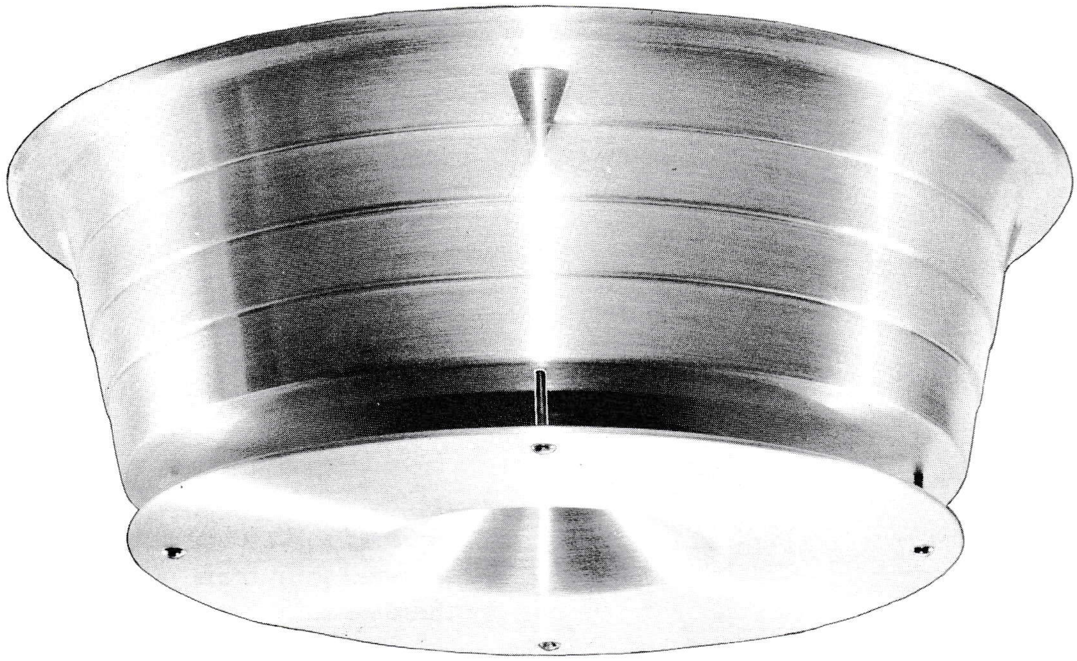
FINISH CHART

SUFFIX CAT. NO.	OUTER ENCLOSURE	INNER ENCLOSURE
	Flat polar white	Brushed satin aluminum
BS	Flat polar white	Brushed satin brass
BE	Flat polar white	Brushed satin bronze
2 AL	Brushed satin aluminum	Brushed satin aluminum
2 BS	Brushed satin brass	Brushed satin brass
2 BE	Brushed satin bronze	Brushed satin bronze

MOUNTING INSTRUCTIONS

The 210 series baffle has provisions to mount directly to a four inch octagon outlet box, or if desired, by toggle bolts directly to the ceiling. The inner enclosure houses the speaker and may be removed without the use of tools. To remove, allow the heel of the hands to hold the inner enclosure while the ring fingers depress two of the locking buttons. Simultaneously lift away from the outer enclosure and slide toward the undepressed button. To insert inner enclosure, insert one button, hold the inner enclosure with the heel of the hands while depressing the two remaining buttons with ring fingers. Slide toward depressed buttons as enclosure is inserted.

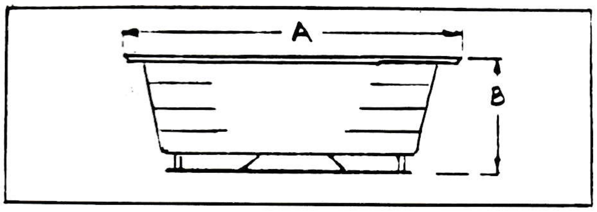
23 SERIES
LOW CEILING SURFACE BAFFLES



23 SERIES - The 23 series is a low ceiling baffle designed to eliminate beaming. A polished aluminum diffractor decreases the level on the axis without affecting the level off the axis. The body is ported for a more extended bass. Patched jute lining, undercoating and concentric reinforcement rings prevents mechanical and acoustical resonances. A special adapter is available for mounting to an outlet box (see Accessories - page A2). The standard finish is satin brushed aluminum. The unit can be furnished in satin brushed brass or satin brushed bronze. Suffix the catalog number with "BS" when ordering the brass finish or "BE" when ordering the bronze finish.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	ADAPTER
23-6	6"	182-6
23-7	7"	182-8
23-8	8"	182-8

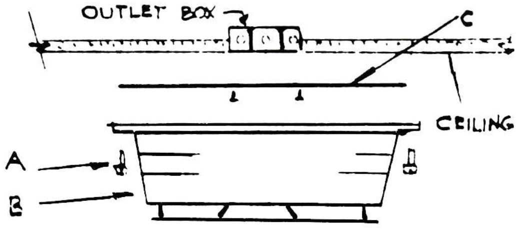


DIMENSIONAL SPECIFICATIONS

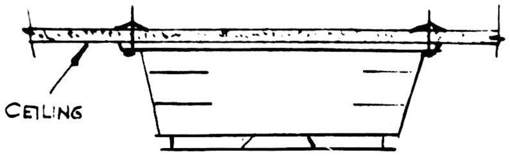
MODEL	A	B
23-6	14	4 3/4
23-7	16 1/4	5 1/2
23-8	16 1/4	5 1/2

SPECIFICATIONS

MATERIAL	Body - Aluminum Diffuser - Aluminum (2S - 1/2H)
GAUGE	Body - 18 Gauge Diffuser - 20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT.	Patched jute lining, sheet metal deadner and concentric reinforcement rings.
FINISH	Brushed satin aluminum Brushed satin brass Brushed satin bronze



MOUNTING WITH 181 SERIES ADAPTER



MOUNTING WITH TOGGLE BOLTS

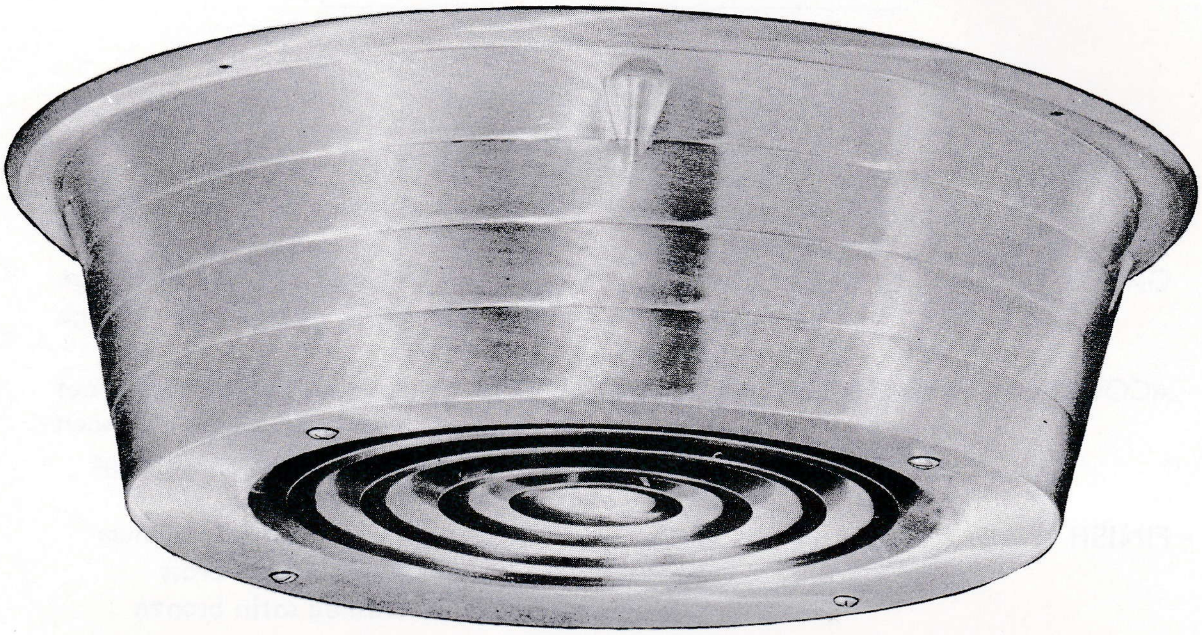
A̲ 4 8-32 machine screws, bright cadmium plate heads. Connects baffle to adapter. Furnished with adapter

B Baffle.

C Adapter, must be ordered and specified separately.

24 SERIES

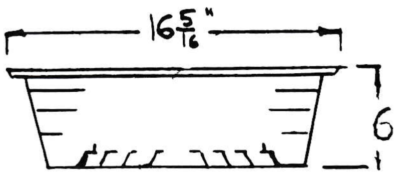
LOUVERED SURFACE CEILING BAFFLES



24 SERIES - The 24 series baffle is a louvered ceiling surface baffle featuring concentrically spaced diffusers designed to effectively spread the high frequencies. An inconspicious blend of a brushed satin aluminum body and highly polished steel louvers, creates an attractive surface baffle while matching the popular air diffusers now available. Each unit is ported for a more extended bass response. Patched jute lining, undercoating and concentric reinforcement rings prevent mechanical and acoustical resonances. The standard finish is brushed satin aluminum. However, the baffle is available in brushed satin brass or bronze. Suffix the catalog number with "BS" when ordering the brass finish and "BE" when ordering the bronze finish.

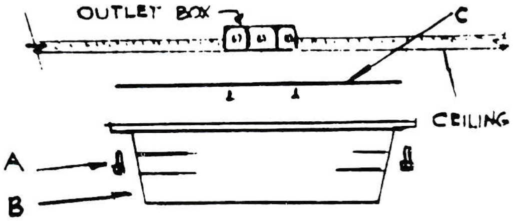
AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	ADAPTER
24-8	8"	181-8

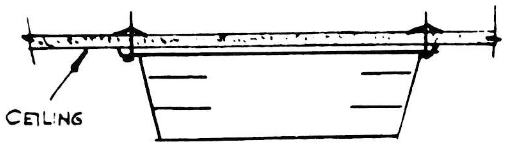


SPECIFICATIONS

MATERIAL	Body - Aluminum Louvers - C. R. Steel
GAUGE	Aluminum - 18 Gauge C. R. Steel- 20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Patched jute lining, sheet metal deadner and concentric reinforcement rings
FINISH	Brushed satin aluminum Brushed satin brass Brushed satin bronze



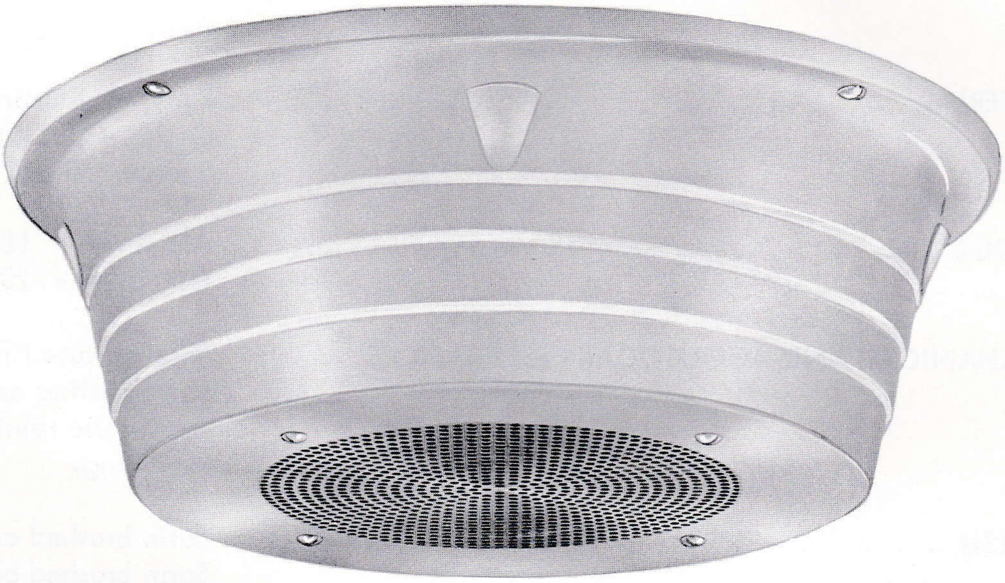
MOUNTING WITH 181 SERIES ADAPTER



MOUNTING WITH TOGGLE BOLTS

A 4 8-32 machine screws, bright cadmium plated. Connects baffle to adapter. Furnished with adapter.
B Baffle.
C Adapter, must be specified and ordered separately.

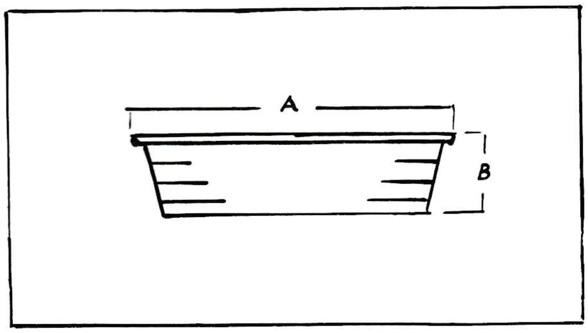
260 SERIES
SURFACE CEILING BAFFLES



260 SERIES - The 260 series is a surface ceiling baffle featuring simple, straight lines which blend well with the modern architectural interior. Four bass reflex ports provide an extended smooth bass response. Patched jute lining, undercoating and concentric reinforcement rings prevent mechanical and acoustical resonances. The unit may be mounted to a four inch outlet box through the use of the 183 series adapter. The standard finish is satin brushed aluminum. However, the unit can be furnished in satin brushed brass or bronze. Suffix the catalog number with "BS" when ordering brass and "BE" when ordering bronze.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	ADAPTER
260-5	5"	183-6
260-6	6"	183-6
260-7	7"	183-8
260-8	8"	183-8

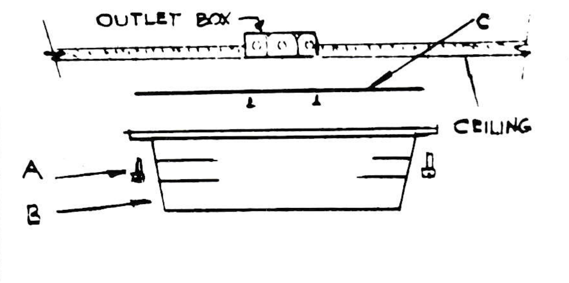


DIMENSIONAL SPECIFICATIONS

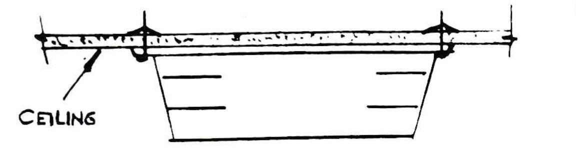
CATALOG NUMBER	DIMENSIONS A	DIMENSIONS B
260-5	11 1/4"	3 5/8"
260-6	11 1/4"	3 5/8"
260-7	13 1/2"	4 1/8"
260-8	13 1/2"	4 1/8"

SPECIFICATIONS

MATERIAL	Body - Aluminum Grille - C.R.Steel Except 260-7,260-8
GAUGE	Aluminum - 18 Ga. C.R.Steel - 20 Ga.
MECHANICAL AND ACOUSTICAL RESONANCES	Patched jute lining, undercoating and concentric reinforcement rings
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze



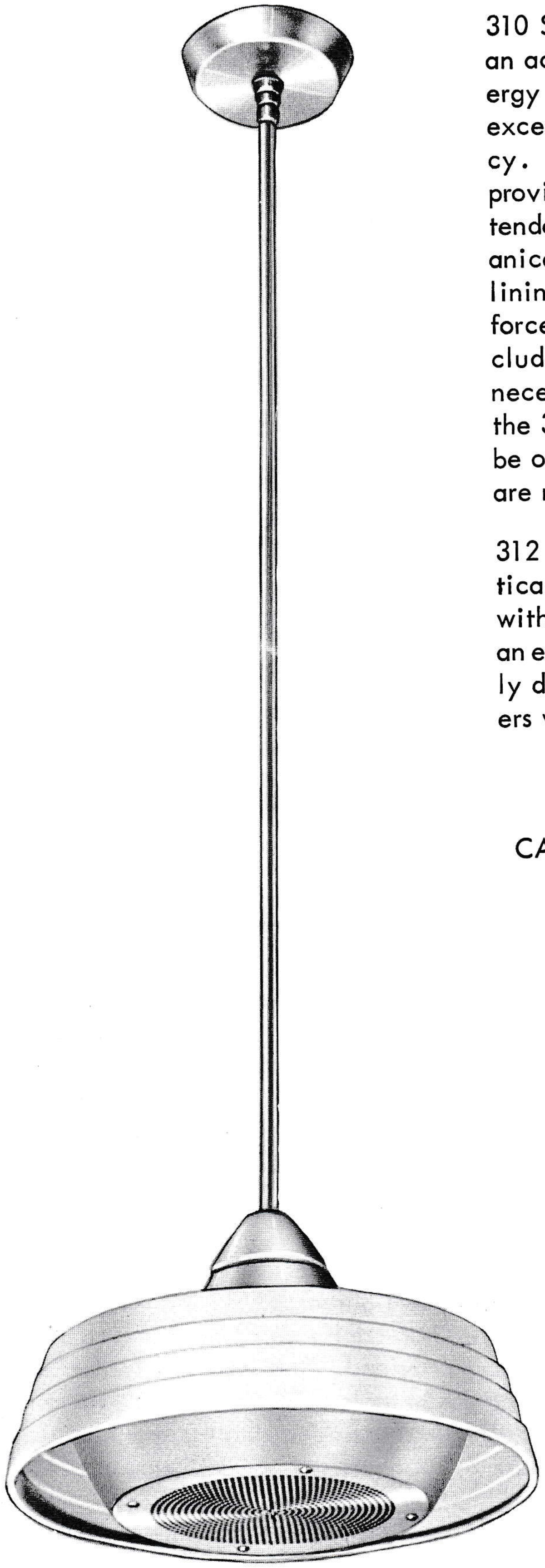
MOUNTING WITH 181 SERIES ADAPTER



MOUNTING WITH TOGGLE BOLTS

A 4 8-32 machine screws, bright cadmium plated. Connects baffle to adapter. Furnished with adapter.
B Baffle.
C Adapter, must be specified and ordered separately.
D Toggle bolts, furnished by others.

310 SERIES 312 SERIES
WIDE ANGLE SUSPENSION CEILING BAFFLES



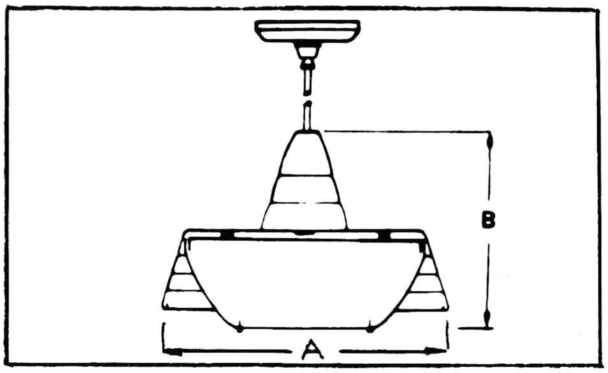
310 SERIES - The 310 series baffle includes an acoustical horn radiating the sound energy from the rear of the loudspeaker for excellent coverage and increased efficiency. The throat of the horn is designed to provide phase inverter action for a more extended bass response. Acoustical and mechanical treatment consists of patched jute lining, undercoating and concentric reinforcement rings. The 310 series baffle includes a decorative connecting husk and necessary hardware. It does not include the 335 series suspension hanger - this must be ordered separately. Finishes available are noted on the reverse side.

312 SERIES - The 312 series baffle is identical in physical dimensions to the 310-12 with the exception of provisions to mount an eight inch loudspeaker. This is especially desirable for low resonance loudspeakers where additional volume is desired.

AVAILABLE MODELS

CATALOG NO.	SPEAKER SIZE
310-7	7"
310-8	8"
310-10	10"
310-12	12"
312-8	8"

soundolier, inc.



DIMENSIONAL SPECIFICATIONS

MODEL	A	B
310-7	14 1/8	8 1/4
310-8	14 1/8	8 1/4
310-10	18 1/4	11 3/4
310-12	18 1/4	11 3/4
312-8	18 1/4	11 3/4

SPECIFICATIONS

MATERIAL . . . . Outer enclosure - Aluminum
Inner enclosure - Aluminum
Husk - Aluminum
Mounting Plate - C.R.Steel
Grille - C.R.Steel
Except 310-7,310-8,312-8

GAUGE . . . . C. R. Steel - 20 Gauge
Aluminum - 18 Gauge

ACOUSTICAL AND MECHANICAL TREATMENT. . . Outer enclosure-concentric reinforcement rings
Inner enclosure- sheet metal deadner and patched jute lining
General - compliant connection between enclosures

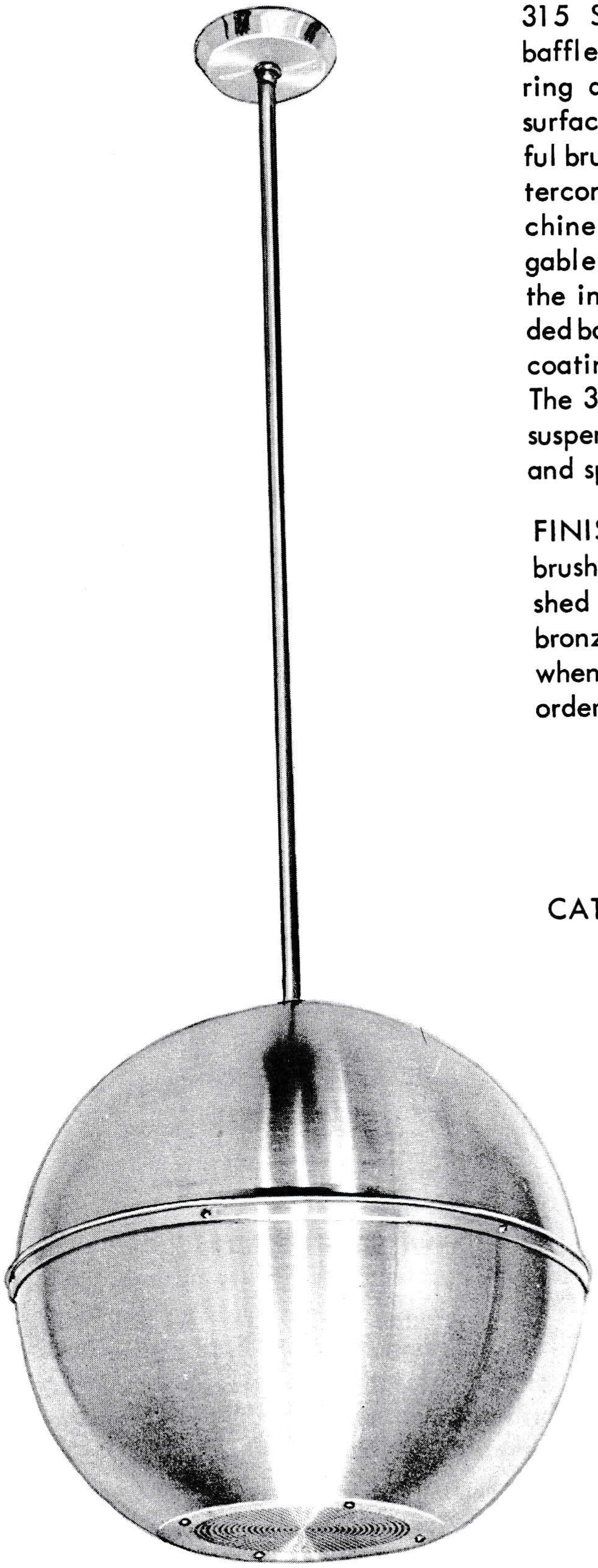
FINISH CHART

SUFFIX CAT.	OUTER ENCLOSURE	INNER ENCLOSURE	HUSK
	Flat polar white	Brushed satim alum.	Brushed satin alum.
BS	Flat polar white	Brushed satin brass	Brushed satin brass
BE	Flat polar white	Brushed satin bronze	Brushed satin bronze
2 AL	Brushed satin alum.	Brushed satin alum.	Brushed satin alum.
2 BS	Brushed satin brass	Brushed satin brass	Brushed satin brass
2 BE	Brushed satin bronze	Brushed satin bronze	Brushed satin bronze

MOUNTING INSTRUCTIONS

The 310 series mounts directly to the tubing of the 335 series by removing one nut from the tube, inserting the tube into the husk and tightening with the removed nut. This procedure should result in a nut and washer on each side of the husk. The baffle is then mounted to the husk with hardware provided. The inner enclosure houses the speaker and may be removed without the use of tools. To remove, allow the heel of the hands to hold the inner enclosure while the ring fingers depress two of the locking buttons. Simultaneously lift away from the outer enclosure and slide toward the undepressed button. To insert inner enclosure, insert one button, hold the inner enclosure with the heel of the hands while depressing the two remaining buttons with ring fingers. Slide toward depressed buttons as enclosure is inserted.

315 SERIES
SPHERICAL SUSPENSION BAFFLES

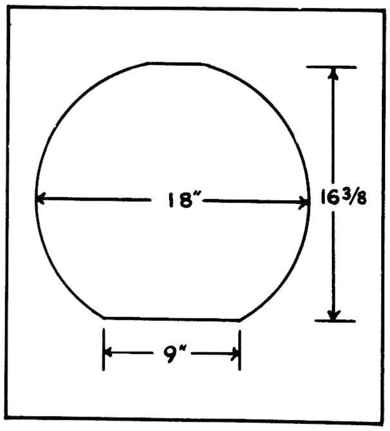


315 SERIES - The 315 series suspension baffle is an exclusively new design featuring a truly spherical shape. The entire surface is hand polished creating a beautiful brushed finish. The hemispheres are interconnected through brass inserts and machine screws and are completely interchangable. A large volume with jute lining on the inner walls encourages a smooth extended bass response. A heavy layer of undercoating guards against unwonted vibration. The 315 series does not include the 335 suspension hanger - this must be ordered and specified separately.

FINISHES - The standard finish is satin brushed aluminum. The unit can be furnished in satin brushed brass or satin brushed bronze. Suffix catalog number with "BS" when ordering brass finish and "BE" when ordering bronze finish.

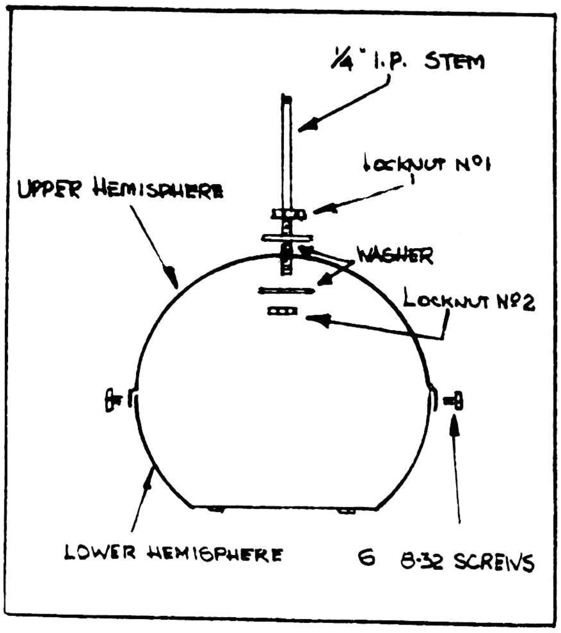
AVAILABLE MODELS

CATALOG NO.	SPEAKER SIZE
315-8	8"



SPECIFICATIONS

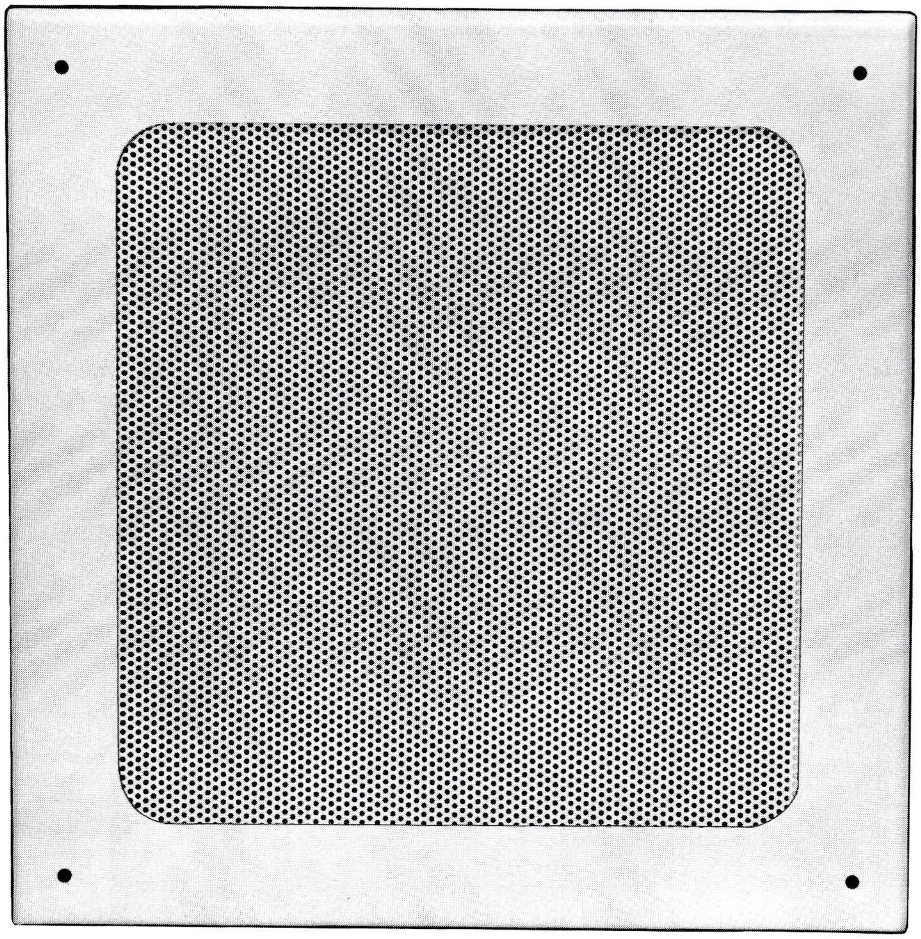
MATERIAL	Aluminum
GAUGE	Aluminum - 18 Ga.
ACOUSTICAL AND MECHANICAL TREATMENT	Sheet metal deadner and patched jute lining
FINISH	Brushed satin aluminum Brushed satin brass Brushed satin bronze


¼" I.P. STEM
LOCKNUT N°1
UPPER HEMISPHERE
WASHER
LOCKNUT N°2
LOWER HEMISPHERE
6 8-32 SCREWS

MOUNTING INSTRUCTIONS

The 315 series mounts directly to the rod of the 335 series suspension hanger as shown on the diagram. When mounting the sphere to the rod, turn locknut #1 to the end of the thread. Then tighten the upper hemisphere to the rod with locknut #2. The lower hemisphere is then mounted to the upper hemisphere with machine screws through the threaded inserts.

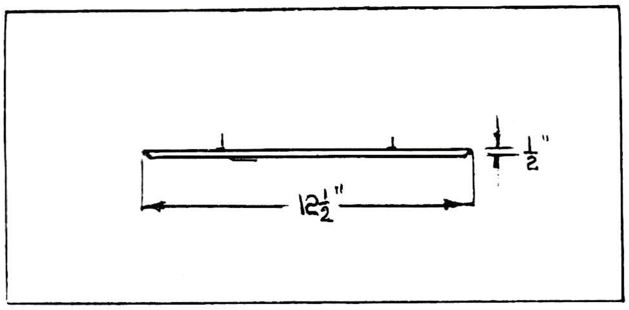
164 SERIES
TRIM SQUARES



164 SERIES - The 164 series baffle is an attractive beveled edge trim square featuring a rectangular loudspeaker cutout. A separate loudspeaker mounting plate provides for an extended, "no leak", bass response. Large perforations in the protective screen simplifies repainting. The standard finish is a flat polar white. The unit may also be furnished in an aluminum paint. Suffix the catalog number with "AL" when ordering the aluminum paint finish.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
164-8	8"	191-78	177-78

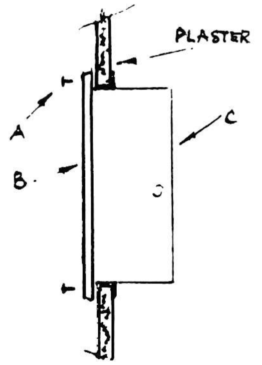


DIMENSIONAL SPECIFICATIONS

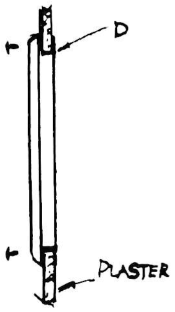
CATALOG NUMBER	HOLE SIZE REQ'd IN CEILING
164-8	8 1/2"

SPECIFICATIONS

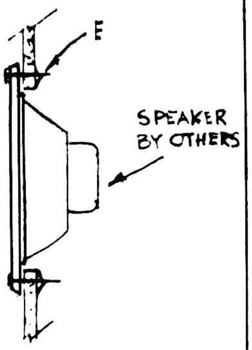
MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT.	Separate speaker mounting plate
FINISH	Flat polar white Aluminum paint



MOUNTING TO 191 SERIES



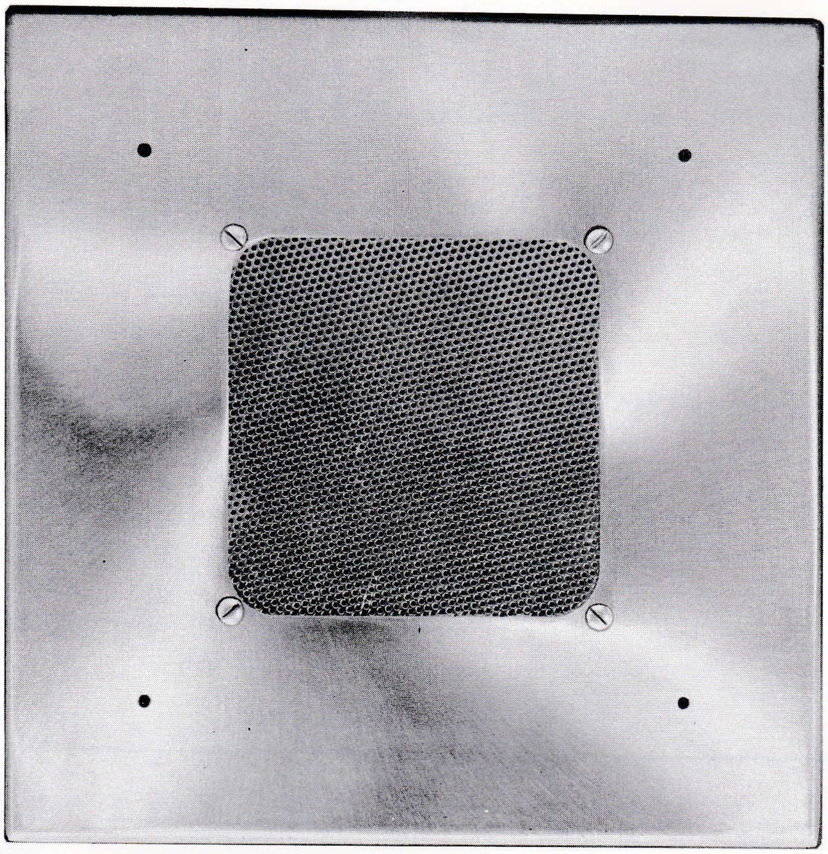
MOUNTING TO 177 SERIES



MOUNTING WITH TOGGLE BOLTS

A 4 8-32 machine screws, polar white heads. Connects baffle to enclosure or plaster frame.
B Baffle.
C 191 enclosure, must be ordered and specified separately.
D 177 plaster frame, must be ordered and specified separately.
E Toggle bolts, furnished by others.

165 SERIES
TRIM SQUARES



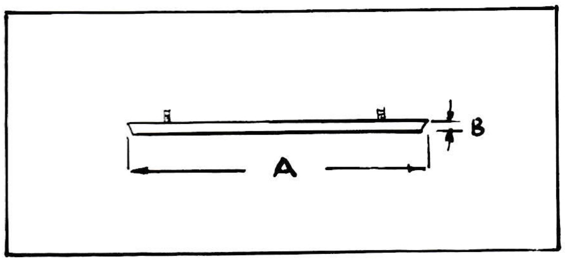
165 SERIES - The 165 series is an aluminum trim square featuring a small rectangular loudspeaker cutout. Through direct speaker mounting, this unit achieves beauty with economy. The standard finish is satin brushed aluminum. The baffle may also be furnished in satin brushed brass or satin brushed bronze. Suffix the catalog number with "BS" when ordering the brass finish and "BE" when ordering the bronze finish.

The 165 series may also be furnished in steel. The standard finish is a highly polished surface with a baked varnish coating. Suffix the catalog number with "SL" when ordering steel.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
165-8	8"	95-8	75-8, 76-8
165-12	12"	95-12	75-12. 76-12

soundolier, inc.

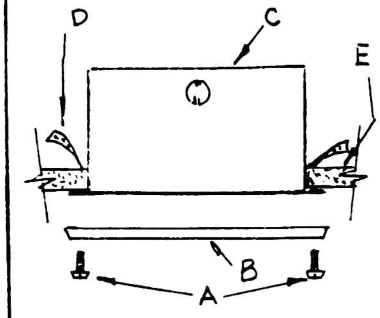


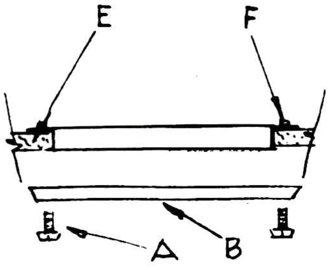
DIMENSIONAL SPECIFICATIONS

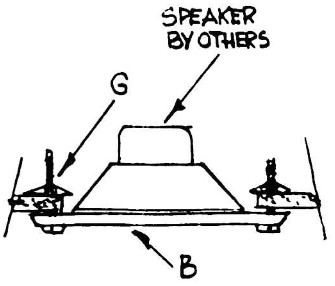
CATALOG NUMBER	HOLE SIZE REQ'd-CLG	DIMENSIONS A	B
165-8	8 1/2"	12"	5/16"
165-12	12 1/2"	17"	5/16"

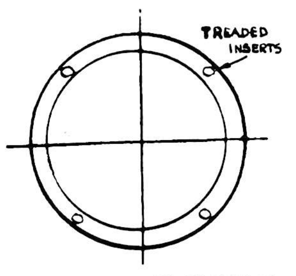
SPECIFICATIONS

MATERIAL	Aluminum – (2S – 1/2 H) C. R. Steel (when specified)
GAUGE	Aluminum – 20 Gauge C. R. Steel – 20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT . .	Sheet metal deadner
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze Steel – High polish baked varnish









BOTTOM VIEW OF 95 ENCLOSURE. LINES SHOULD BE PARALLEL TO WALLS OR CEILING.

A 4 8-32 machine screws, bright cadmium plate heads. Mounts 165 series baffle to 95 series enclosure.

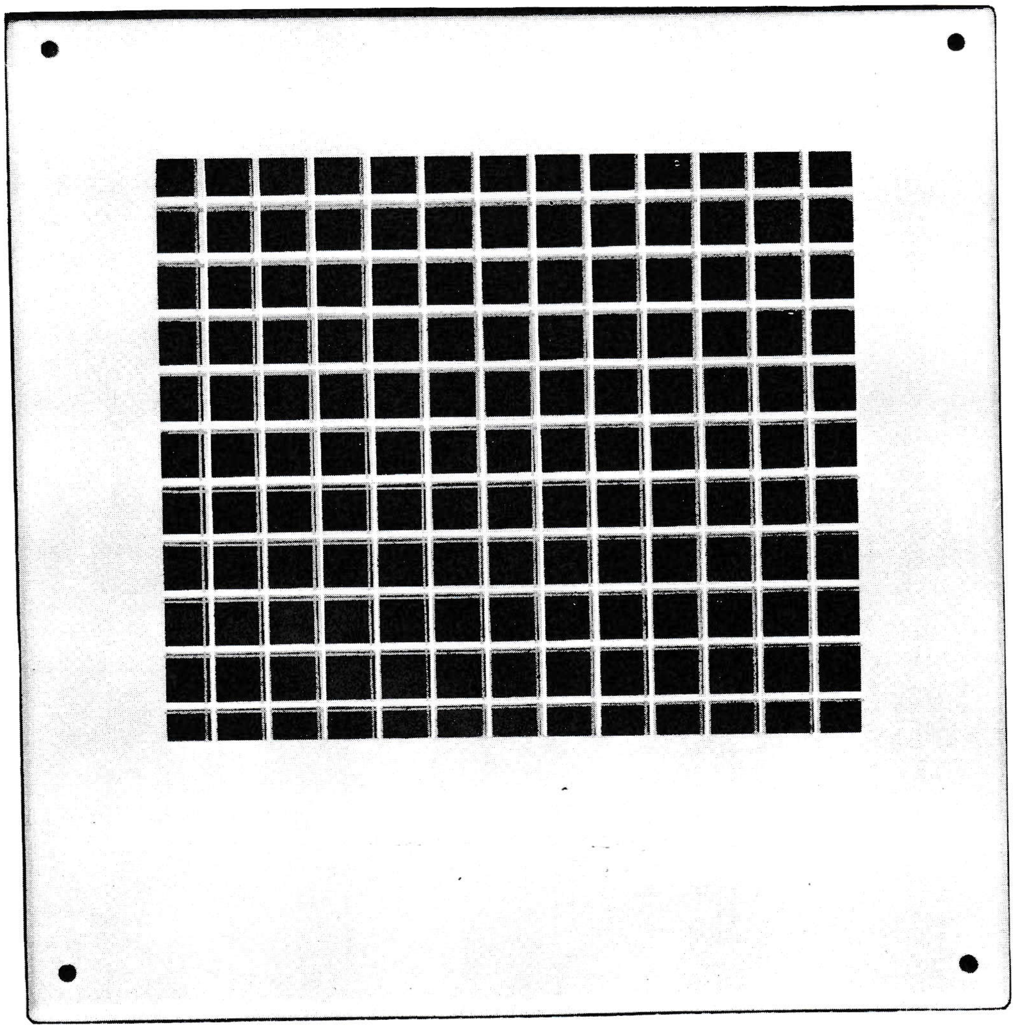
B 165 series.

C 95 series enclosure, must be ordered and specified separately when used.

D 75 series plaster ring, must be ordered and specified separately when used.

E Toggle bolts, furnished by others.

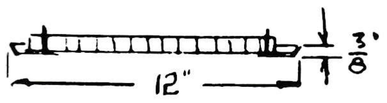
168 SERIES
TRIM SQUARES



168 SERIES - The 168 series is a recessed trim square featuring a beautiful polystyrene plastic louver. The loudspeaker mounting and louver bracket is achieved through a unique welded stud arrangement thus eliminating all screw heads except for mounting screws. Clearance is available for the use of controls. The standard finish is a flat polar white, however, additional colors for both the baffle and louver are available upon request.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
168-8	8"	191-78	177-78

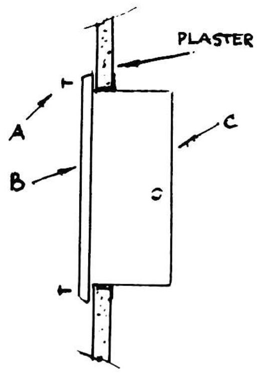


DIMENSIONAL SPECIFICATIONS

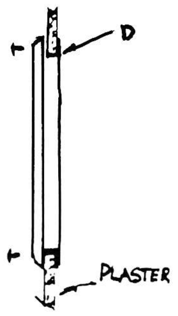
CATALOG NUMBER	HOLE SIZE REQ'D IN WALL
168-8	9 1/4" sq.

SPECIFICATIONS

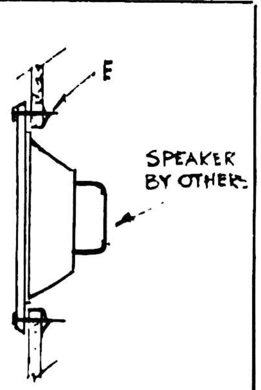
MATERIAL	Frame - C. R. Steel Louver - Polystyrene plastic
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Welded speaker mount adapter
FINISH	Flat polar white Other finishes available upon request



MOUNTING TO 191 SERIES



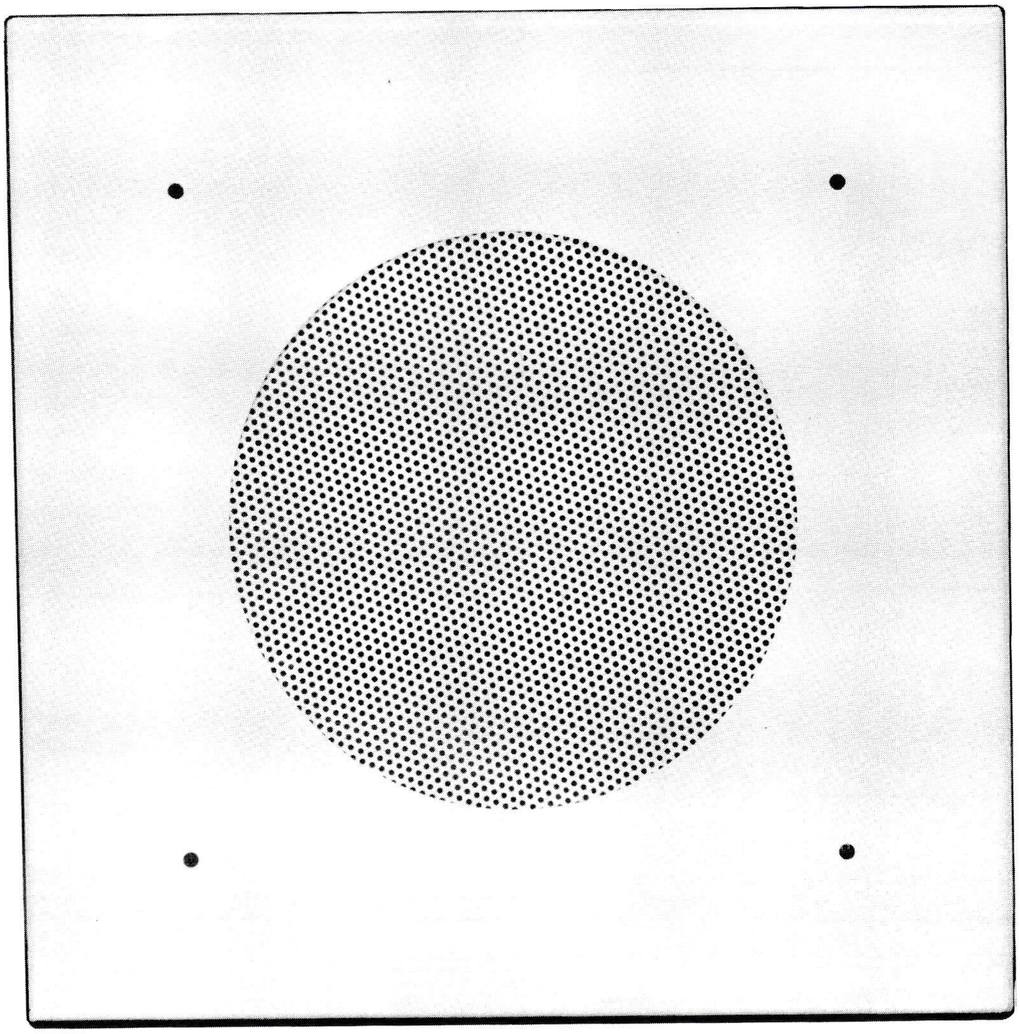
MOUNTING TO 177 SERIES



MOUNTING WITH TOGGLE BOLTS

A 4 8-32 machine screws, polar white heads. Connects baffle to enclosure or plaster frame.
B Baffle.
C 191 enclosure, must be ordered and specified separately.
D 177 plaster frame, must be ordered and specified separately.
E Toggle bolts, furnished by others.

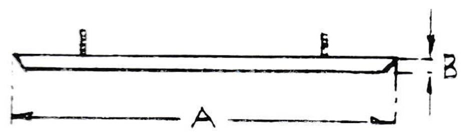
63 SERIES
TRIM SQUARES



63 SERIES - The 63 series is an economical, beveled edge trim square featuring a round loudspeaker cutout. Heavy gauge steel construction guards against vibration and rattle. Large perforations in the protective screen simplifies repainting. The stancard finish is flat polar white or aluminum paint. Suffix the catalog number with "AL" if aluminum paint is desired.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
63-8	8"	95-8	75-8, 76-8
63-10	10"	95-10	75-10, 76-10
63-12	12"	95-10	75-10, 76-10

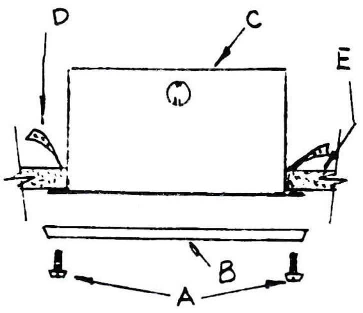


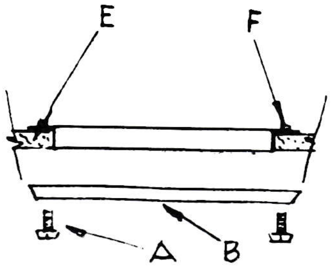
DIMENSIONAL SPECIFICATIONS

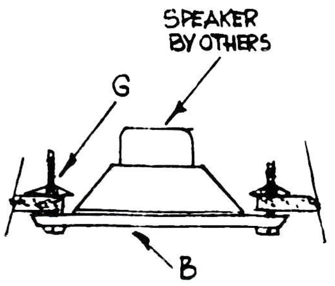
CATALOG NUMBER	HOLE SIZE REQ'd-CLG	DIMENSIONS A	B
63-8	8 1/2"	12 1/8"	5/16"
63-10	12 1/2"	15 11/16"	5/16"
63-12	12 1/2"	15 11/16"	5/16"

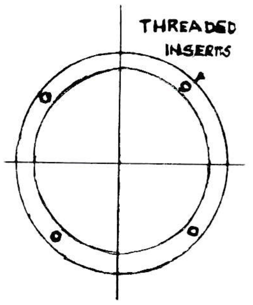
SPECIFICATIONS

MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Steel construction
FINISH	Flat polar white Aluminum paint







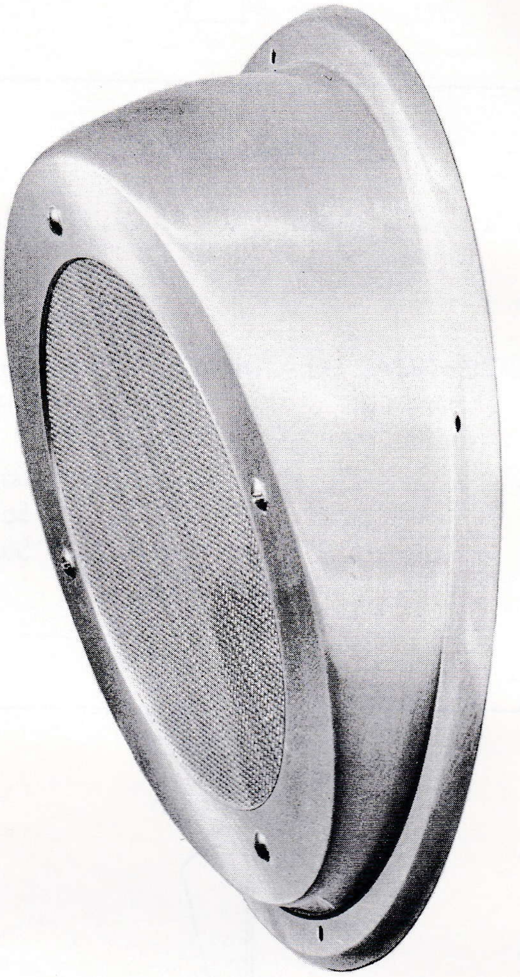


BOTTOM VIEW OF 95 ENCLOSURE. LINES SHOULD BE PARALLEL TO WALLS OR CEILING.

A 4 8-32 machine screws, bright cadmium plate heads. Mounts 63 series baffle to 95 series enclosure.

B 63 series.
C 95 series enclosure, must be ordered and specified separately when used.
D 75 series plaster ring, must be ordered and specified separately when used.
E Toggle bolts, furnished by others.

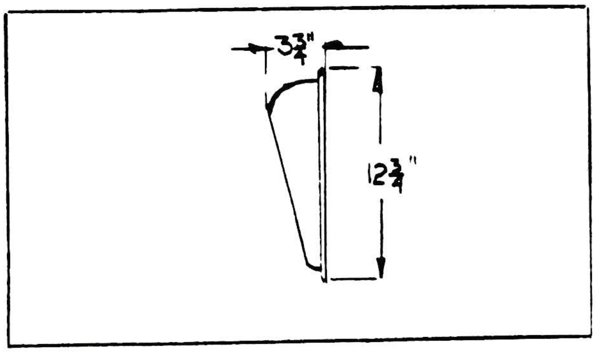
460 SERIES RECESSED
CONTROLLED DIRECTIONAL WALL BAFFLES



460 SERIES - The 460 series is a recessed controlled directional wall baffle featuring a 15 degree offset in the direction of radiation. The entire baffle is of one piece construction achieved through a unique metal spinning operation. Heavy undercoating and patched jute lining prevent metallic and acoustical resonances. The standard finish is satin brushed aluminum. May be furnished in brushed satin brass or bronze. Suffix the catalog number with "BS" when ordering brass and "BE" when ordering bronze.

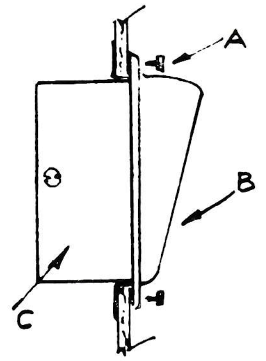
AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE
460-7	7"
460-8	8"

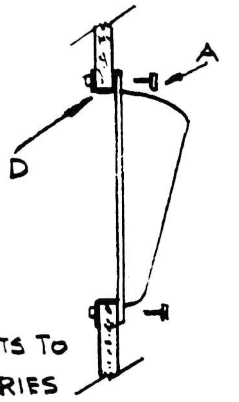


SPECIFICATIONS

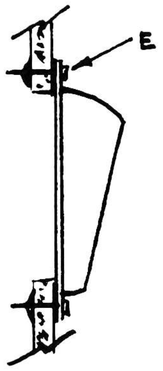
MATERIAL	Aluminum
GAUGE	18 Gauge
MECHANICAL AND ACOUSTICAL TREATMENT	Patched jute lining, sheet metal deadner
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze



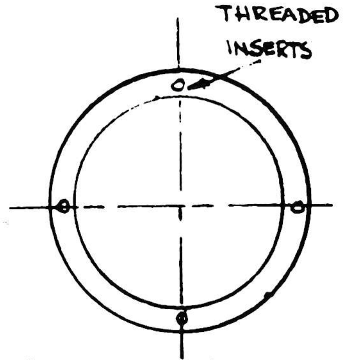
MOUNTS TO 95 SERIES



MOUNTS TO 75 SERIES



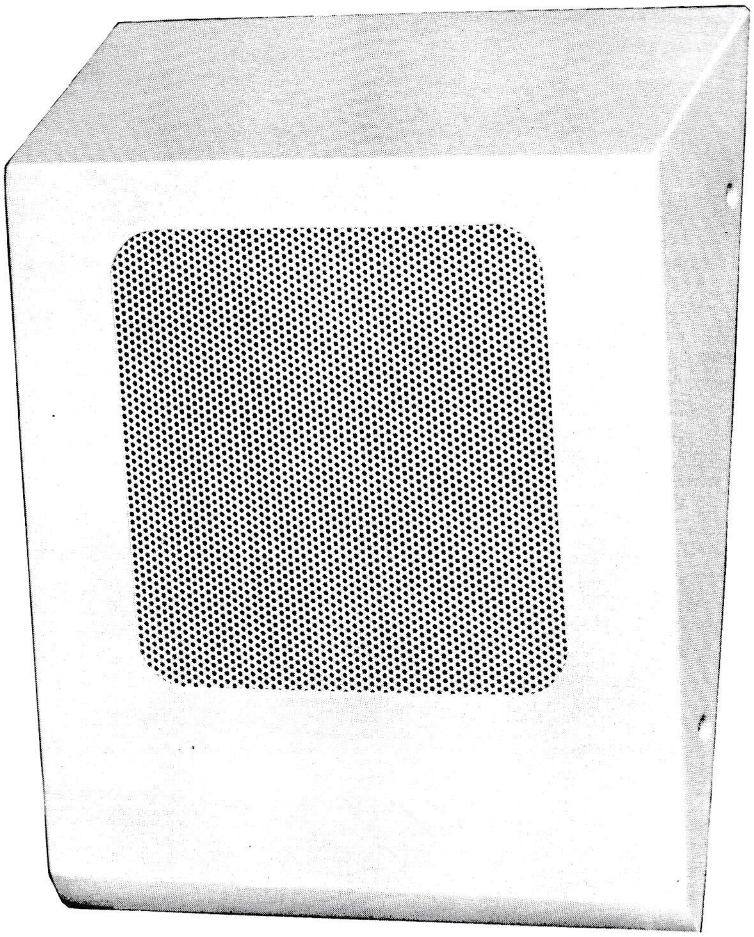
MOUNTS DIRECTLY TO WALL



BOTTOM VIEW 95 ENCLOSURE LINES SHOULD BE PARALLEL TO WALLS & CEILING.

A	4 8-32 machine screws, bright cadmium plate heads. Mounts 460 series baffle to 95 series enclosure.
B	460 series.
C	95 series enclosure must be ordered and specified separately when used.
D	75 series plaster ring must be ordered and specified separately when used.
E	Toggle bolts, furnished by others.

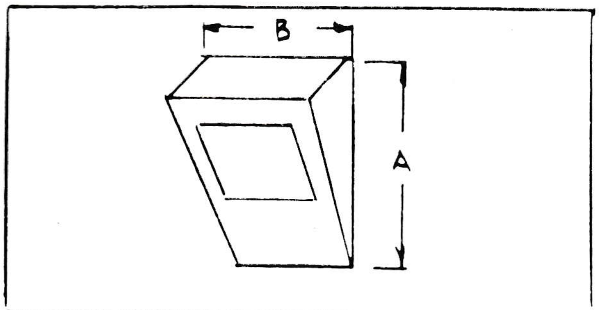
461 SERIES
SEMI-RECESSED WALL BAFFLES



461 SERIES - The 461 series is a semi-recessed wall baffle featuring a 15 degree offset in the direction of radiation. Angular lines and a rectangular loudspeaker cutout present a modern appearance. A separate speaker mounting plate guards against bass "leaks". Each unit is provided with adapters for simplified mounting. The standard finish is sprayed aluminum paint. The unit can be furnished in a flat polar white. Suffix the catalog number with "W" when ordering white.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE	PLASTER RING
461-6	6"	191-78-1	177-78-1
461-7	7"	191-78-1	177-78-1
461-8	8"	191-78-1	177-78-1

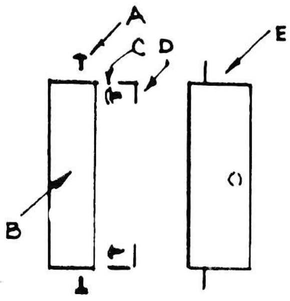


DIMENSIONAL SPECIFICATIONS

CATALOG NUMBER	DIMENSIONS A	DIMENSIONS B
461-6	14"	10 1/2"
461-7	14"	10 1/2"
461-8	14"	10 1/2"

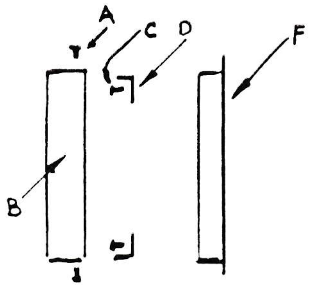
SPECIFICATIONS

MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT. . . .	Welded construction and separate mounting plate
FINISH	Aluminum paint Flat polar white



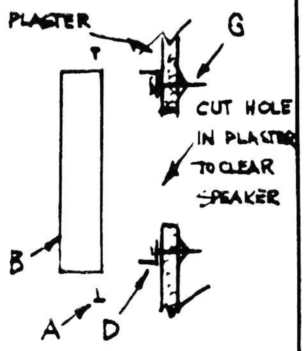
TOP VIEW

MOUNT TO 191 SERIES



TOP VIEW

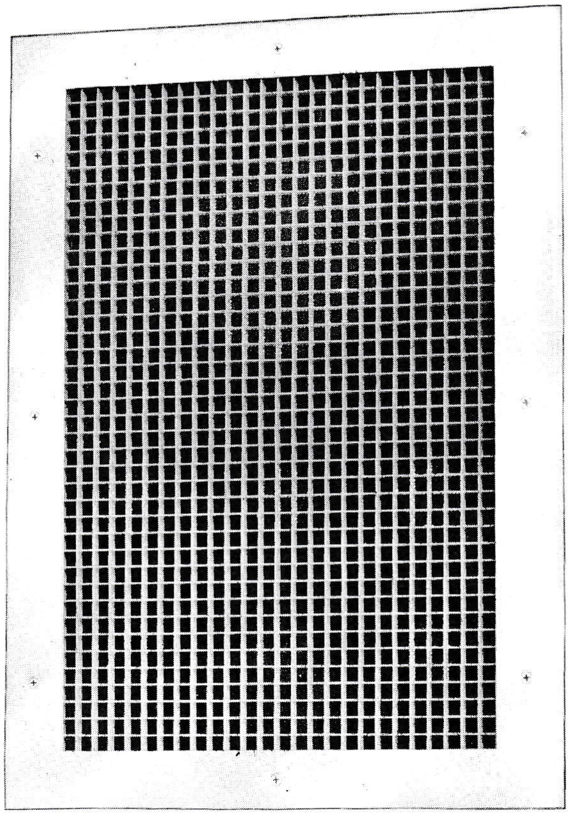
MOUNT TO 177 SERIES



MOUNT WITH TOGGLE BOLTS

A	4 8-32 machine screws, aluminum paint heads. Connects adapters to 461 series. Furnished with 461 series.
B	Baffle.
C	4 8-32 machine screws. Connects the adapter to the 191 enclosure or 177 plaster frame.
D	Adapter, furnished with 461 series.
E	191 series, must be ordered and specified separately.
F	177 series, must be ordered and specified separately.

800 SERIES
HIGH FIDELITY BASS REFLEX WALL BAFFLES



800 SERIES - The 800 series is a high fidelity bass reflex wall baffle featuring a beautiful polystyrene plastic louver. The unit consists of three distinct parts, a beautifully polished steel frame, a modern acoustilouver grille, and a heavily braced and undercoated mounting plate. Through careful bracing and gasketing, SOUNDOLIER has achieved a baffle as vibrationless as 3/4" plywood.

The unit is especially designed for use with low resonant hi-fi loudspeakers with ports carefully dimensioned to provide a smooth extended lower register. Dimensioned for flush wall mounting, the baffle can be mounted with toggle bolts, direct to 16" stud centers, or to the 178 series plaster frame. The plaster frame must be ordered separately.

The standard finish is a brushed satin brass or a brushed satin bronze. The unit may also be furnished in a prime coat for easy application of decorator colors. Suffix the catalog number with "BS" when ordering brass, "BE" when ordering bronze or "P" when ordering prime coat. Variations in color on both frame and louver available upon request.

AVAILABLE MODELS

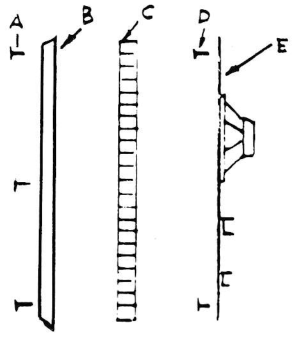
CATALOG NUMBER	SPEAKER SIZE	PLASTER FRAME
800-8	8"	178
800-12	12"	178

DIMENSIONAL SPECIFICATIONS

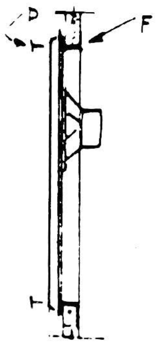
Length	27 inches
Width	19 inches
Depth	3/4 inches

SPECIFICATIONS

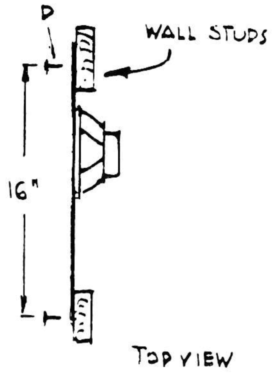
MATERIAL	Frame - C. R. Steel Mounting plate - C. R. Steel Grille - polystyrene plastic
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT. .	Bracing, undercoating and gasketing
FINISH	Brushed satin brass Brushed satin bronze Prime coat



BAFFLE ASSEMBLY



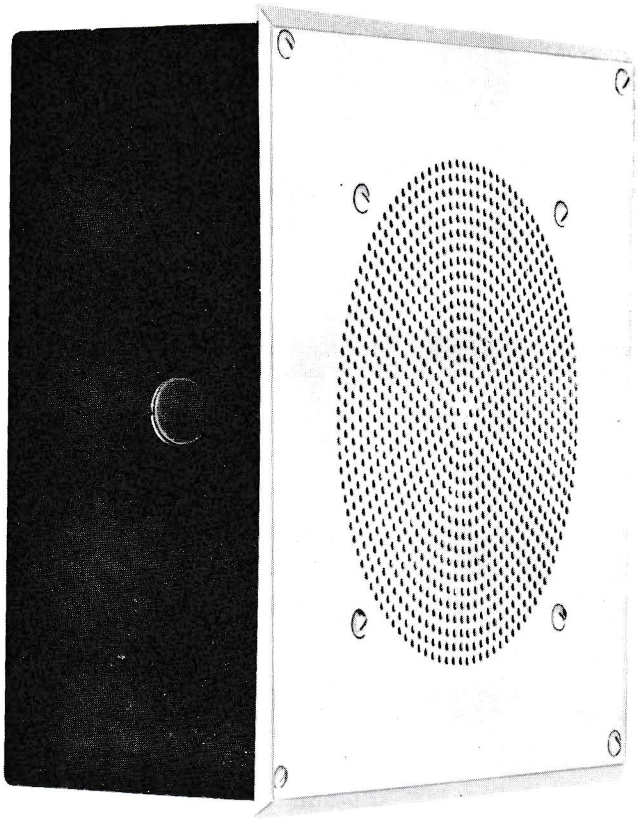
BACKPLATE TO 178 SERIES



BACK PLATE TO STUDS

A 8 8-32 flat head, philips head, machine screws. Connects the frame to the back plate. Furnished with 800 series.
B Frame of 800 series.
C Polystyrene plastic louver of 800 series.
D Screws to mount back plate to wall. Furnished with 178 series if used or supplied by others.
E Back plate of 800 series
F 178 series, must be specified and ordered separately.

169 SERIES 193 SERIES
TRIM SQUARES PROTECTIVE ENCLOSURES



169 SERIES - The 169 series is an economical steel trim ring square featuring one piece construction. Heavy gauge steel guards against undesirable vibration and rattle. A hard baked white finish may be used as a prime coat or an attractive final coat. Hardware for loudspeaker mounting is furnished. The 169 series may be furnished in aluminum rather than steel. Consult your price list for additional cost.

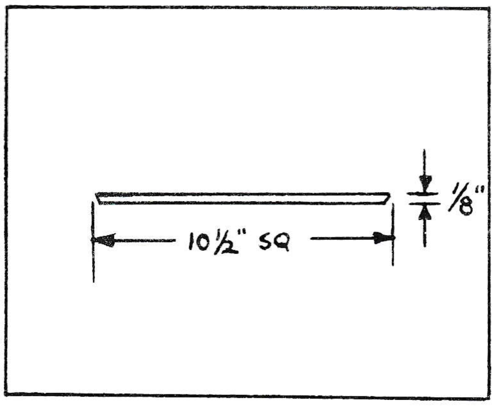
193 SERIES - The 193 series is an economical protective enclosure of welded construction throughout. Heavy gauge steel and undercoating eliminates mechanical resonances. Each unit is furnished with four one half inch conduit knockouts and is protected with a rust preventative coating.

ORDERING INSTRUCTIONS - The 169 and 193 series is bulk packed. The 169 series is packed twenty to a carton while the 193 series is packed ten to a carton. Cartons will not be broken excepting samples.

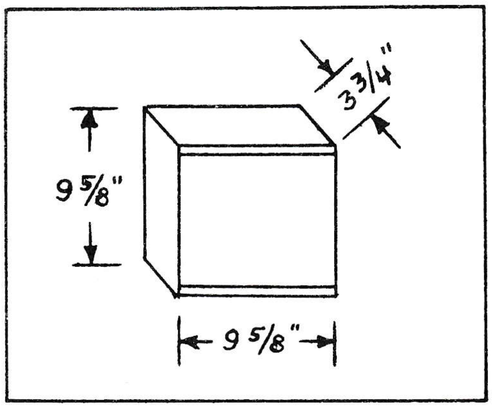
AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE
169-8	8"	193-8

DIMENSIONAL SPECIFICATIONS



169 SERIES



193 SERIES

SPECIFICATIONS

169 SERIES

MATERIAL	C. R. Steel
GAUGE	24 Gauge
FINISH	White

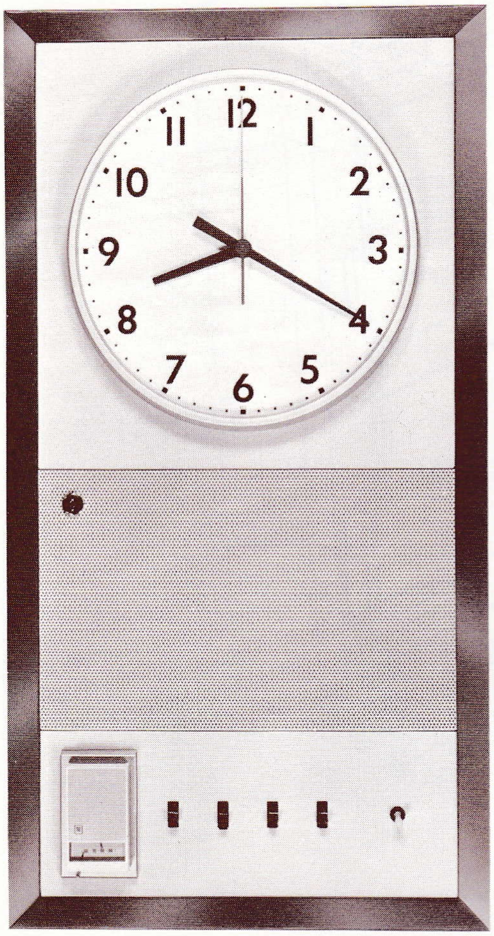
If aluminum is specified, material will be 2 S - 1/2 H in 20 gauge. Finish will be white.

193 SERIES

MATERIAL	C. R. Steel
GAUGE	20 Gauge
MECHANICAL TREATMENT	Sheet metal deadner
FINISH	Rust Preventative coating

COMBINATION CLOCK / SPEAKER / CONTROL PANEL
(CLASSROOM NERVE CENTER)

850 SERIES / NC850 E850



soundolier, inc.

MODEL NC850

The model NC850 is a combination clock panel, loudspeaker baffle and control panel uniquely and attractively assembled on one frame. This functional unit has provisions to mount any clock up to twelve inches. In addition, there are provisions for mounting an eight inch speaker in the center and a bottom panel which will mount a choice of toggle light switches, thermostat and a "call-in" switch. A continuous piano hinge permits easy access for servicing. A lock in the center panel restricts the internal components to authorized personnel only. All exposed hardware is eliminated. The speaker mounts to a hidden sub-plate and the toggle switches are mounted on weld studs from the rear.

The entire assembly is sturdy and rattle proof. The frame is made of 20 gauge CRS. The speaker panel is 22 gauge perforated steel with 1/16″ holes on 3/32″ staggered centers. The frame is finished in dark brown while the three panels are finished in light beige. Special color combinations are available upon request.

In order to permit the user the maximum in flexibility, a number of combinations of holes on the lower control panel may be ordered as standard. See figure 1. Each hole is labeled with a letter. If the hole is desired, suffix the model number with the letter or letters designating the applicable holes. As an example, if the thermostat hole, two toggle switch holes and a "call-in" switch hole with a ½″ diameter are needed, order your units with model number NC850-ACDF2. In addition to the control panel selection, you must designate the clock model number to receive the correct hanging hardware.

Silk screening is available upon special request. The clock, speaker, thermostat and switches are not included. Soundolier can furnish the speaker and switches if desired. Write for a quotation.

MODEL E850

The model E850 is a recessed enclosure to be used with the model NC850 assembly. It is constructed of sturdy 16 gauge CRS and is finished in a rust preventative coating. This enclosure is divided into three sections for the clock, speaker and control panel. The control panel section is further subdivided to isolate the high and low voltage wiring. The center portion is undercoated to achieve the maximum in acoustical quality. The enclosure replaces one concrete block horizontally and four blocks vertically. Masonry cutting is eliminated. All external knockouts are ¾″ and all internal knockouts are ½″. The NC850 piano hinge fastens to weld studs located on the right hand flanges of the enclosure.

(SEE DIAGRAM ON REVERSE SIDE)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The clock, speaker and control panel assembly shall be Soundolier Model NC850 .... or approved equal. The assembly shall be mounted to Soundolier model E850 recessed enclosure or approved equal.

The assembly shall consist of three panels integrally mounted to a sturdy 20 gauge CRS frame. The upper portion shall mount a........ clock (specify size) such as manufactured by................, model number............ The center panel shall mount an eight inch speaker on a completely hidden sub-panel. A lock shall be incorporated in the center panel to restrict access to components. The grille shall be perforated with 1/16″ holes on 3/32″ staggered centers combining excellent acoustical qualities and attractive appearance. The control panel shall consist of a cutout to mount a thermostat, one (two, three, four) cutouts for toggle light switches and a cutout for a "call-in" switch. The toggle switches shall be mounted on weld studs to avoid exposed hardware.

The enclosure shall be divided into three distinct sections isolating the clock portion, speaker portion and control panel. The control panel section shall be further sub-divided to isolate the high and low voltage wiring. The speaker section shall be acoustically treated with undercoating. The enclosure shall have a rust preventative coating. The outside of the enclosure shall have ¾″ knockouts and the inside divider panels shall have ½″ knockouts.

All steel surfaces shall be phosphate coated and chemically cleaned prior to application of finish.

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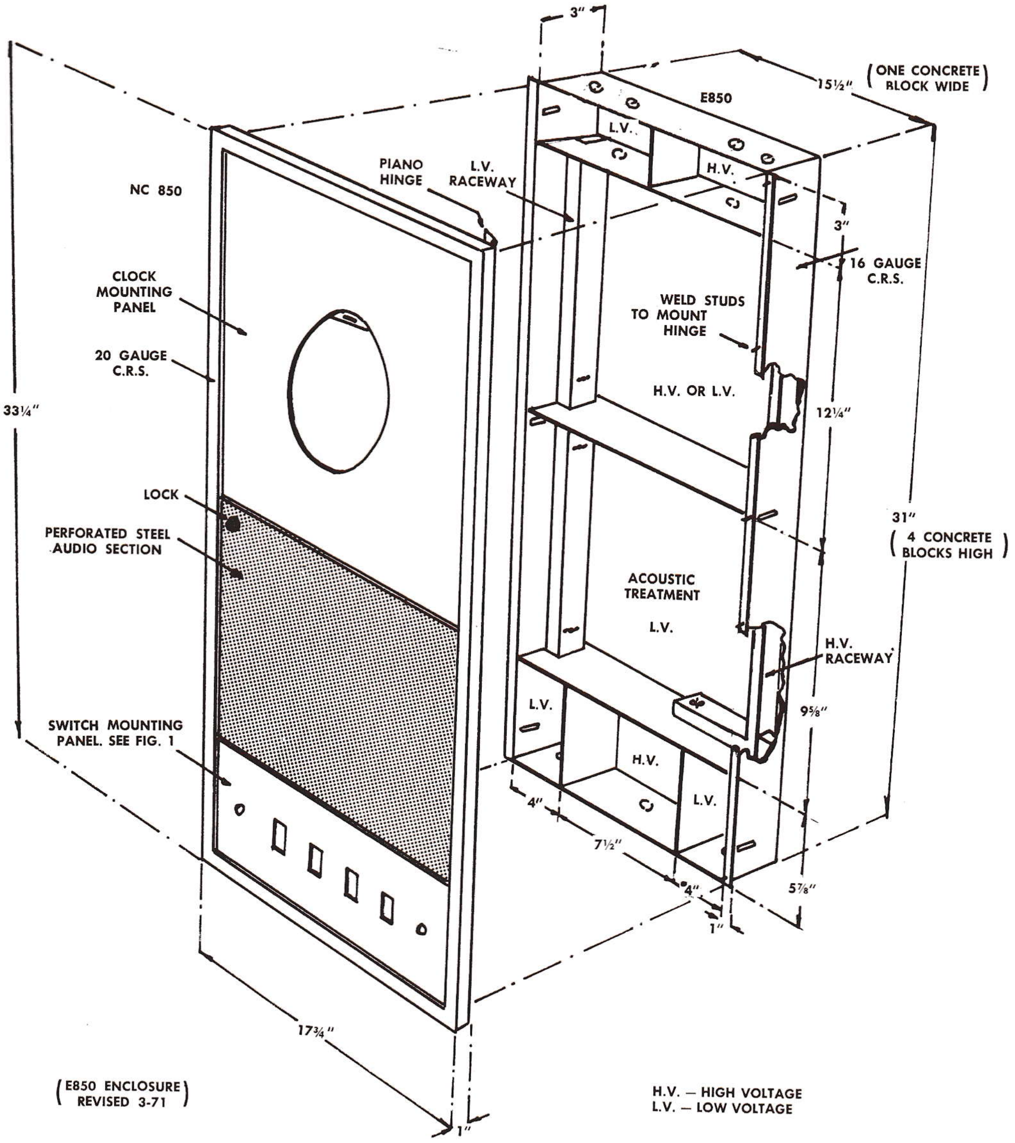

3"
15½"
(ONE CONCRETE BLOCK WIDE)
E850
L.V.
H.V.
NC 850
PIANO HINGE
L.V. RACEWAY
CLOCK MOUNTING PANEL
3"
16 GAUGE C.R.S.
WELD STUDS TO MOUNT HINGE
20 GAUGE C.R.S.
H.V. OR L.V.
33¼"
12¼"
LOCK
PERFORATED STEEL AUDIO SECTION
31" (4 CONCRETE BLOCKS HIGH)
ACOUSTIC TREATMENT
L.V.
H.V. RACEWAY
L.V.
9⅝"
SWITCH MOUNTING PANEL. SEE FIG. 1
H.V.
L.V.
4"
7½"
4"
5⅞"
1"
17¾"
(E850 ENCLOSURE REVISED 3-71)
H.V. – HIGH VOLTAGE
L.V. – LOW VOLTAGE
1"

MODEL NUMBER INFORMATION CHART

(to determine control panel punching)

Hole Designation	Hole size	Used for
A	5/8" dia.	Thermostat
B	13/32" x 15/16"	Toggle light switch
C	13/32" x 15/16"	Toggle light switch
D	13/32" x 15/16"	Toggle light switch
E	13/32" x 15/16"	Toggle light switch
F1	3/8" dia.	Call-in switch
F2	1/2" dia.	Call-in switch
F3	5/8" dia.	Call-in switch

NOTE: Toggle switch holes do not have to be ordered in any special sequence. As an example, if only two toggle light switches are to be used, holes "C" and "D" may be ordered to keep the control panel appearance balanced.

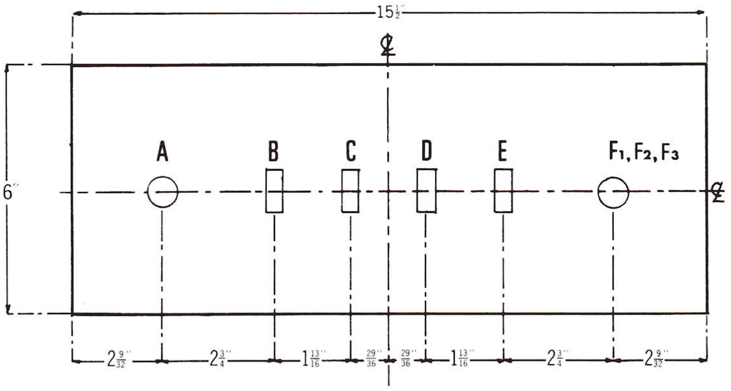

15½"
℄
A
B
C
D
E
F₁, F₂, F₃
6"
℄
2 9/32"
2¾"
1 13/16"
29/36"
29/36"
1 13/16"
2¾"
2 9/32"

FIG. 1

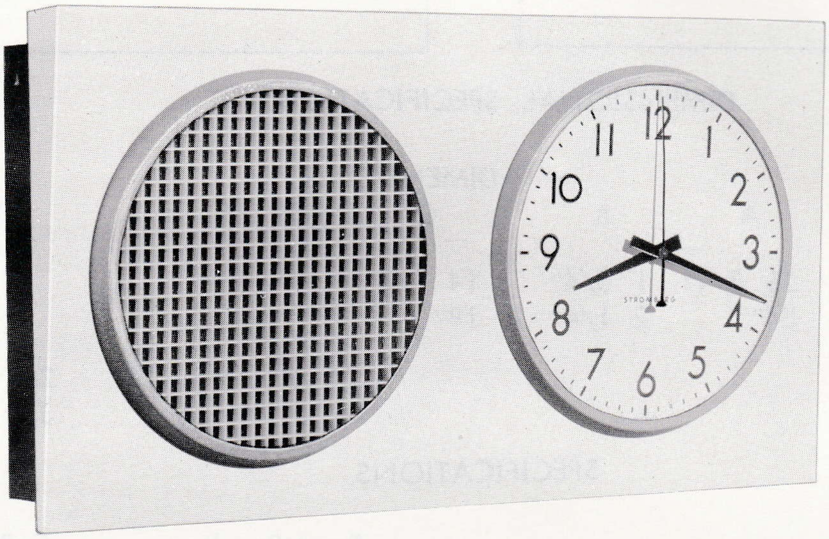
EXAMPLE: A model consisting of the following holes in the control panel—Thermostat hole, three (3) toggle light switch holes, ½" diameter call-in switch hole.

	Toggle Switch	½" call-in
NC850—Thermostat hole	holes	switch hole
A	B-C-D	F2

=NC850-ABCDF2

820 SERIES 192 SERIES

RECESSED CLOCK AND WALL BAFFLE AND ENCLOSURE



820 SERIES - The 820 series is a combination clock and loudspeaker baffle featuring a beautiful polystyrene plastic louver. The front panel is slightly offset for more uniform sound coverage. A unique double action torsion spring system holds the front panel thus eliminating all exposed screw heads. In addition, a wide hinge arrangement allows for easy access to the loudspeaker and clock interior.

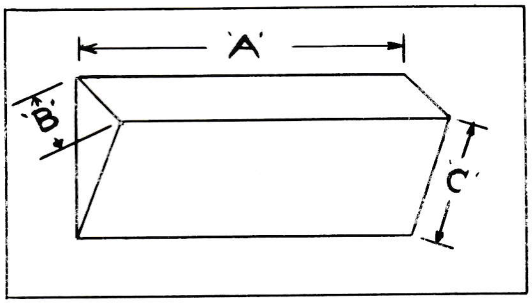
The standard finish is a grey wrinkled loudspeaker ring and an off-white front panel. A change in finish or dimensions is available upon request.

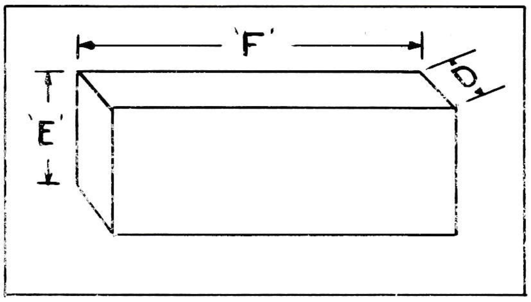
PLEASE NOTE WHEN ORDERING: The model number, manufacturer and size of the clock must be included. Clocks not furnished by Soundolier, Inc.

192 SERIES - The 192 series is a protective enclosure of welded construction throughout. Nine triple compound knockouts are included with six on the top and three on the bottom. Each unit is heavily undercoated to prevent mechanical resonances while the entire surface is covered with a rust preventative coating. The standard depth is 3", however, variations in depth are available upon request.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	CLOCK SIZE	PROTECTIVE ENCLOSURE
820-89	8"	9"	192-89
820-812	8"	12"	192-812





DIMENSIONAL SPECIFICATIONS

CATALOG NUMBER	DIMENSIONS A	B	C	D	E	F
820-89	26 3/4"	1 3/4"	14 1/8"			
820-812	34"	2 1/4"	18"			
192-89				3"	12 1/8"	26 1/4"
192-812				3"	16"	33 1/2"

SPECIFICATIONS

MATERIAL	Front Panel -	C.R. steel
	Speaker Ring -	C.R. steel
	Louver -	Polystyrene plastic
	Enclosure -	C.R.steel
GAUGE	Front Panel	20 gauge
	Speaker Ring	20 gauge
	Enclosure	19 gauge
ACOUSTICAL AND MECHANICAL TREATMENT.	Sheet metal deadner on enclosure	
FINISH	Speaker Ring -	grey wrinkled
	Front Panel -	off white

MOUNTING INSTRUCTIONS

In mounting the 820 series to the 192 series, please note the following steps:

(1) In mounting the 820 series to the 192 series, please note the three clearance holes along the long hinge found on the bottom of the 820 series. Use the three 8 - 32 machine screws provided.

(2) Raise the 820 frame towards the closing position (about 45°)and insert the ends of the two torsion springs through the slots provided on the 192 enclosure.

(3) Snap the 820 frame in place by completing closing to wall.

(4) To open for service, merely pull the frame backward from the top until it stops. Then compress springs to disconnect from 192 enclosure.

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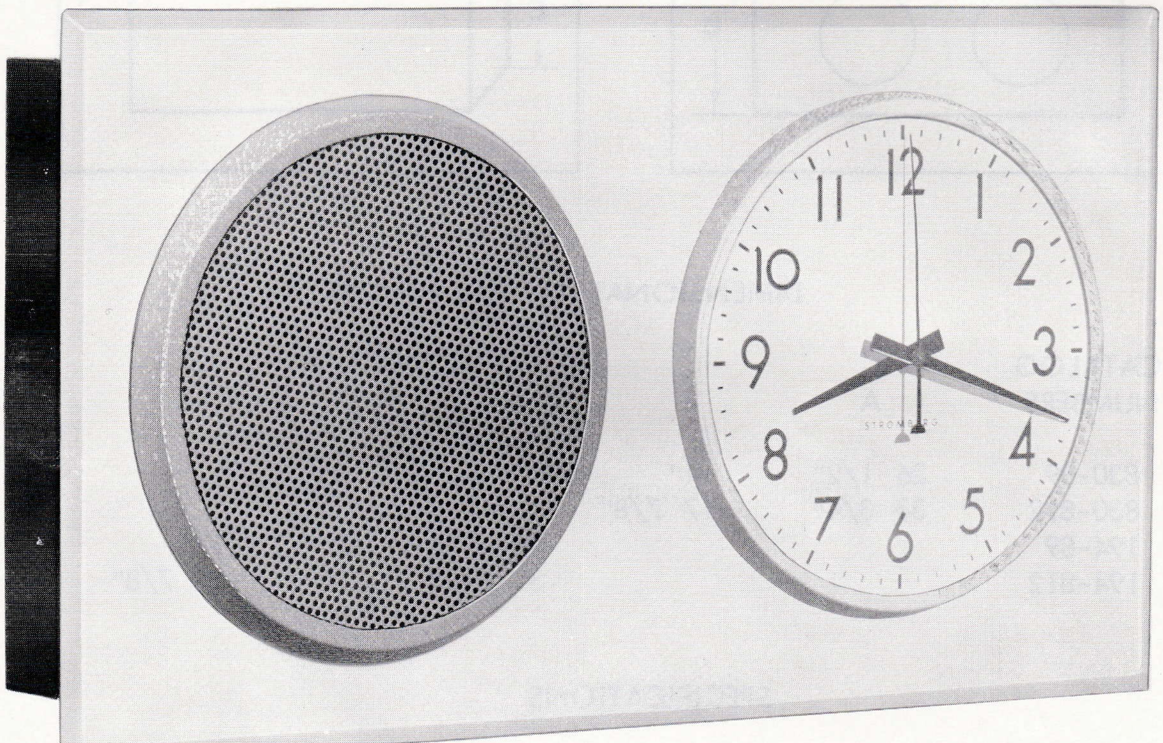
830 SERIES 194 SERIES

ECONOMICAL RECESSED CLOCK AND WALL BAFFLE AND ENCLOSURE



830 SERIES - The 830 series is a combination clock and loudspeaker baffle featuring economy and quality in one complete package. A unique double action torsion spring system holds the front panel in place thus eliminating all exposed screw heads.

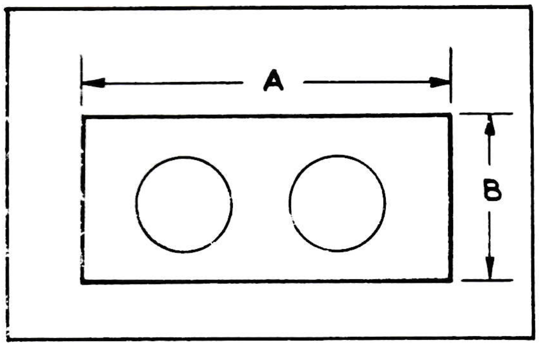
The standard finish is baked grey wrinkle on the loudspeaker ring and off-white on the front panel. A change in finish or dimension is available upon request.

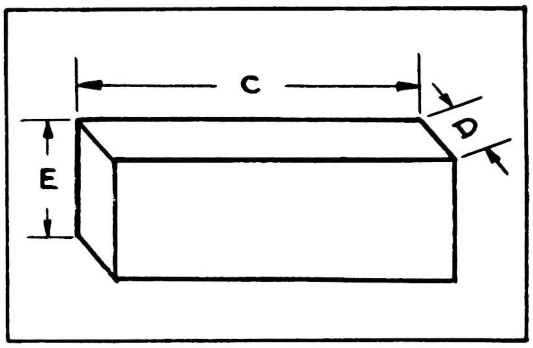
PLEASE NOTE WHEN ORDERING: The model number, manufacturer and size of the clock must be included. Clocks will not be furnished by SOUNDOLIER, INC.

194 SERIES - The 194 series is a protective enclosure of welded construction throughout. Nine triple compound knockouts with six on the top and three on the bottom. Each unit is heavily undercoated to prevent mechanical resonances while the entire surface is covered with a rust preventative coating. The standard depth is 3 inches, however, variations in depth are available upon request.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	CLOCK SIZE	PROTECTIVE ENCLOSURE
830-89	8"	9"	194-89
830-812	8"	12"	194-812





DIMENSIONAL SPECIFICATIONS

CATALOG NUMBERS	DIMENSIONS A	B	C	D	E
830-89	26 1/2"	14"			
830-812	33 3/4"	17 7/8"			
194-89			24 1/2"	3"	12"
194-812			31 3/4"	3"	15 7/8"

SPECIFICATIONS

MATERIAL	Front Panel	C.R.Steel
	Speaker Ring	C.R.Steel
	Grille	C.R.Steel
	Enclosure	C.R.Steel
GAUGE	Front Panel	18 gauge
	Speaker Ring	22 gauge
	Enclosure	20 gauge

ACOUSTICAL AND MECHANICAL TREATMENT. Sheet metal deadner on enclosure

FINISH	Speaker Ring	grey wrinkled
	Front Panel	off white

MOUNTING INSTRUCTIONS

In mounting the 830 series to the 194 series, please note the following steps:

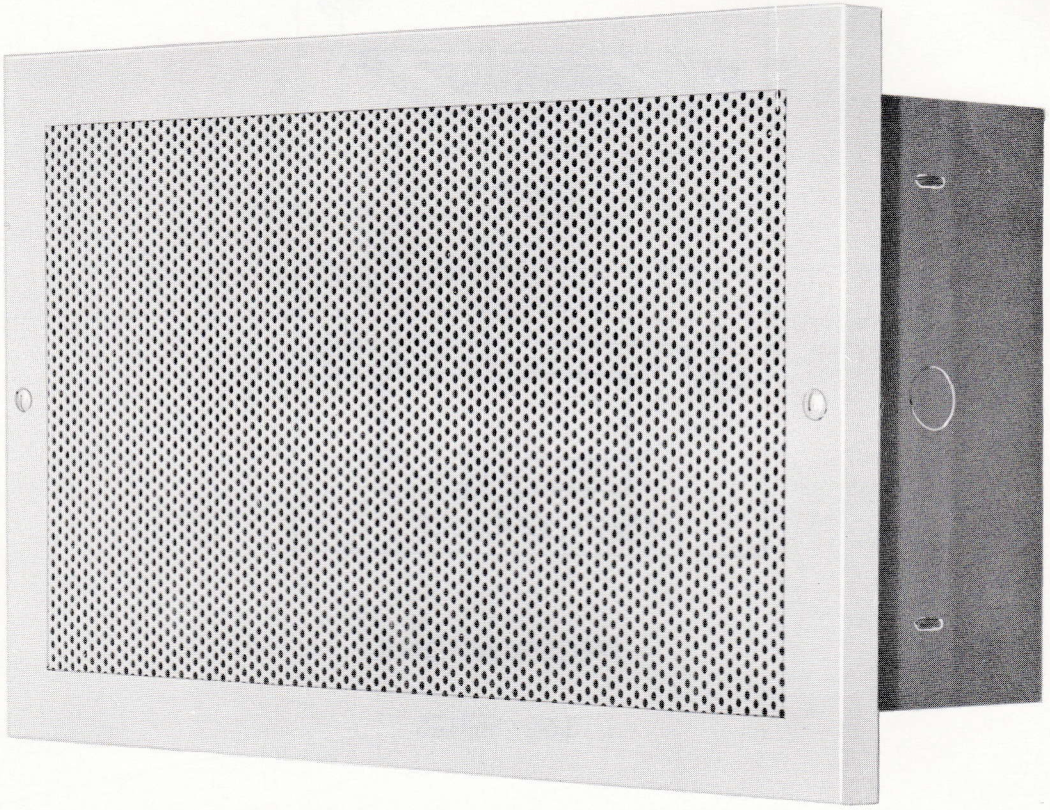
(1) Squeeze and insert tension springs on the 830 series face into the slots provided on the 194 series enclosure.

(2) Push lightly until face snaps tightly to wall.

(3) Adjust face downward so that center tabs ride on bottom flange of the 194 enclosure.

166 SERIES CONCRETE BLOCK REPLACEMENT

197 SERIES PROTECTIVE ENCLOSURES



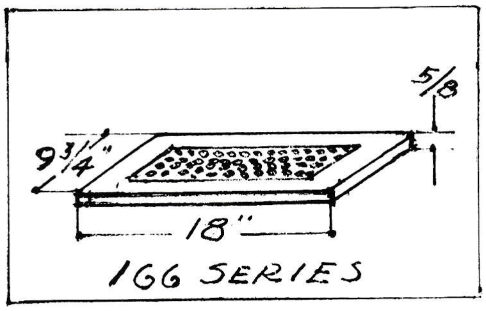
166 SERIES - The 166 series is an attractive bevel edged concrete block replacement baffle. The rectangular loudspeaker cutout presents a modern appearance while a separate loudspeaker mounting plate prevents bass "leaks". Large perforations in the protective screen simplifies repainting. The standard finish is a flat polar white. The unit may also be furnished in an aluminum paint. Suffix the catalog number with "AL" when ordering the aluminum paint finish.

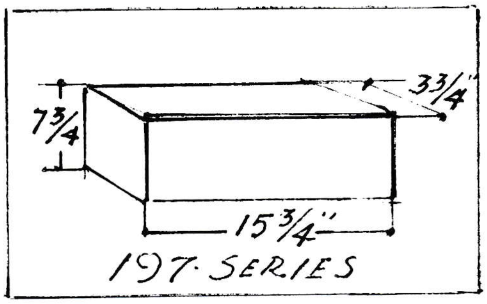
197 SERIES - The 197 series is a concrete block replacement enclosure of welded construction throughout. Heavy gauge steel and undercoating eliminates mechanical resonances. Each unit is furnished with four knockouts and is protected with a rust preventative coating.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE
166-7	7"	197-78
166-8	8"	197-78

DIMENSIONAL SPECIFICATIONS


5/8
9 3/4"
18"
166 SERIES


7 3/4
3 3/4"
15 3/4"
197 SERIES

SPECIFICATIONS

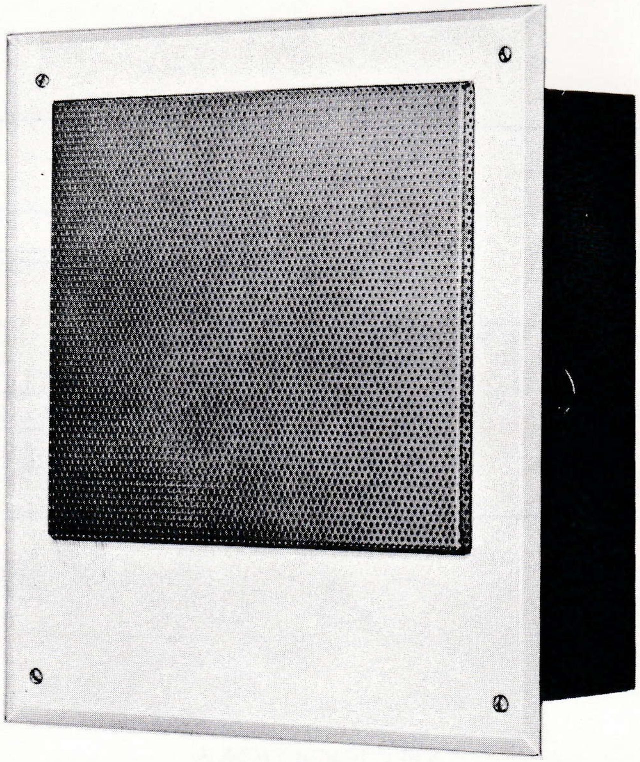
166 SERIES

MATERIAL	C. R. Steel
GAUGE	24 Gauge
FINISH	White

197 SERIES

MATERIAL	C. R. Steel
GAUGE	20 Gauge
MECHANICAL TREATMENT	Sheet metal deadner
FINISH	Rust Preventative coating

160 SERIES 198 SERIES
TRIM SQUARES PROTECTIVE ENCLOSURES



160 SERIES - The 160 series is a trimsquare for wall mounting. The variety of finishes available make it adaptable to a wide range of application. Hardware for loudspeaker mounting is furnished. The 160 series is available in aluminum or steel. Grill is always furnished in steel. Holes can be furnished for controls. Specify number and size desired.

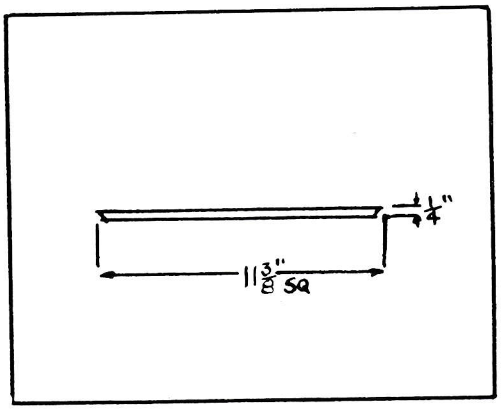
198 SERIES - The 198 series is a protective enclosure of welded construction throughout. Heavy gauge steel and undercoating eliminates mechanical resonances. Each unit is furnished with four 1/2" conduit knockouts and is protected with a rust preventative coating.

AVAILABLE MODELS

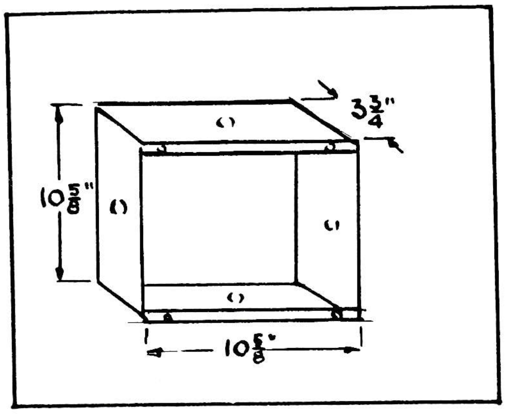
CATALOG NUMBER	MATERIAL	SPEAKER SIZE	FINISH	PROTECTIVE ENCLOSURE
160-8 SWG	Steel	8"	Matte white & gold grill	198-8
160-8 SWA	Steel	8"	Matte white & Alum grill	198-8
160-8 AL	Alum.	8"	Satin Alum & white grill	198-8
160-8 BS	Alum.	8"	Satin Brass & white grill	198-8
160-8 BE	Alum.	8"	Satin Bronze & gold grill	198-8

NOTE: If holes are desired for controls, specify size and number required.

DIMENSIONAL SPECIFICATIONS



160 SERIES



198 SERIES

SPECIFICATIONS

160 SERIES

MATERIAL	C. R.Steel
GAUGE	22 Gauge
FINISH	See Page RW 23 22 GA.C. R.Steel
GRILL	22 Ga. C. R.Steel

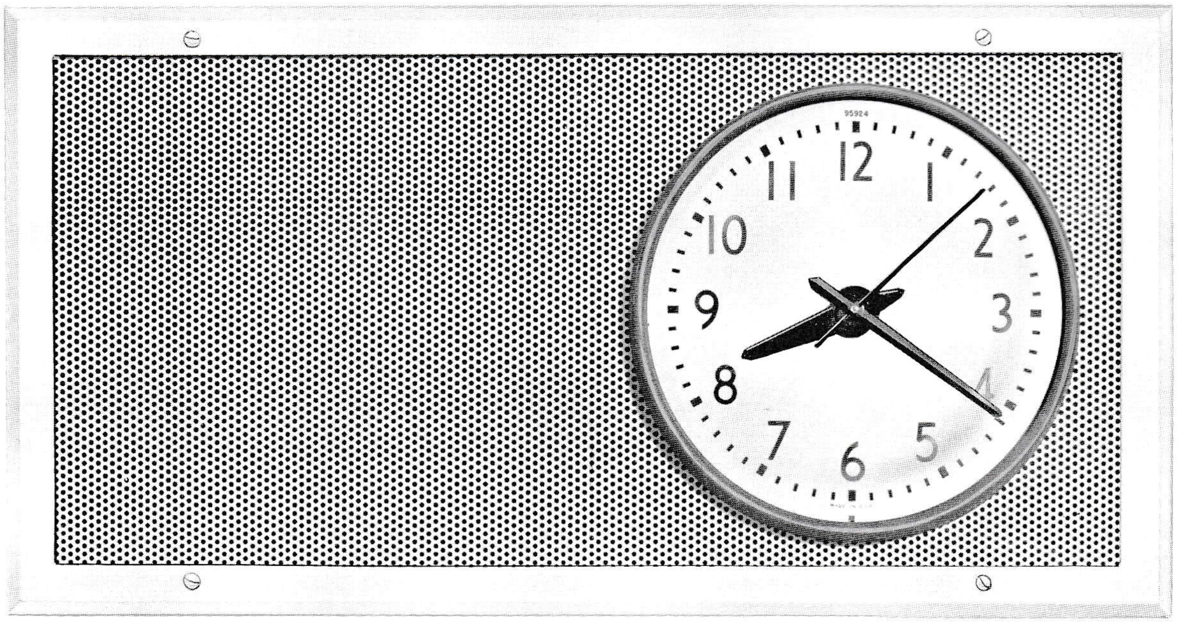
Aluminum baffles are made of 1100-H14 18 gauge
Grill is made of steel on all baffles

198 SERIES

MATERIAL	C. R.Steel
GAUGE	20 Gauge
MECHANICAL TREATMENT	Sheet metal deadner
FINISH	Rust preventative coating

840 SERIES 195 SERIES

RECESSED CLOCK AND WALL BAFFLE AND ENCLOSURE



840 SERIES - The 840 series is a combination clock and loudspeaker baffle featuring economy and quality. Simple, uncluttered design makes this an attractive unit. Perforated front design is properly baffled for sound portion of baffle.

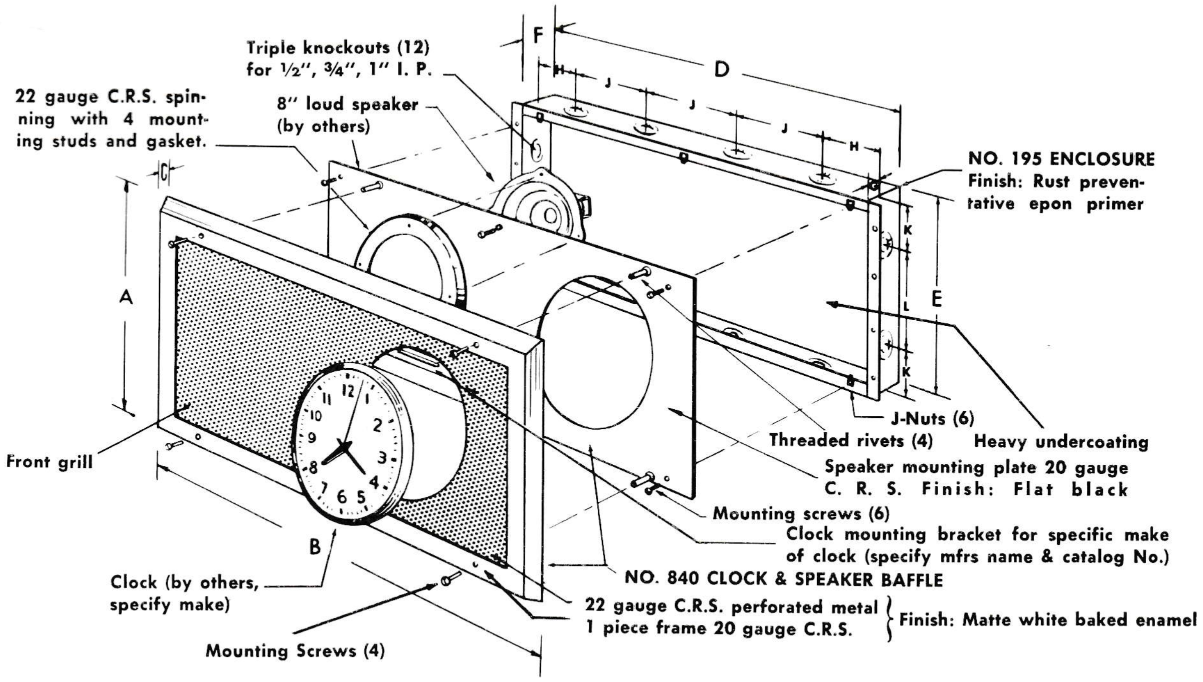
Standard finish is matte white baked enamel. Changes in finish or dimension available upon request.

PLEASE NOTE WHEN ORDERING: The baffle model number, manufacturer and size of clock must be included. Clocks are not furnished by Soundolier.

195 SERIES - The 195 series is a protective enclosure of welded steel construction throughout. 12 triple compound knockouts are included with 4 at the top and bottom and 2 each at each end. Finish is rust preventative coating. Standard depth is 3", however, variations in depth are available upon request.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	CLOCK SIZE	PROTECTIVE ENCLOSURE
840-89	8"	9"	195-89
840-812	8"	12"	195-812


Triple knockouts (12) for ½″, ¾″, 1″ I. P.
22 gauge C.R.S. spinning with 4 mounting studs and gasket.
8″ loud speaker (by others)
F
D
H
J
J
J
H
C
NO. 195 ENCLOSURE Finish: Rust preventative epon primer
K
E
L
K
A
Front grill
B
Clock (by others, specify make)
Mounting Screws (4)
J-Nuts (6)
Threaded rivets (4)
Heavy undercoating
Speaker mounting plate 20 gauge C. R. S. Finish: Flat black
Mounting screws (6)
Clock mounting bracket for specific make of clock (specify mfrs name & catalog No.)
NO. 840 CLOCK & SPEAKER BAFFLE
22 gauge C.R.S. perforated metal
1 piece frame 20 gauge C.R.S.
Finish: Matte white baked enamel

DIMENSIONAL SPECIFICATIONS

MODEL No.	SPKR SIZE	CLOCK SIZE	DIMENSIONS										
			A	B	C	D	E	F*	G	H	J	K	L
840 - 89	8″	9″	13⅝″	26 11/16″	1″								
840 - 812	8″	12″	17⅞″	33¾″	1″								
195 - 89	8″	9″				24″	12″	3″*	1½″	3″	6″	3″	6″
195 - 812	8″	12″				31¼″	15⅞″	3″	1½″	3⅝″	8″	3 15/16″	8″

*Deeper protective enclosures available on request. Specify depth required.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Recessed Clock and Wall Baffle shall be SOUNDOLIER No. 840 - ____ or approved equal. This baffle shall be mounted to a recessed mounted Protective Enclosure SOUNDOLIER No. 195 - ____ or approved equal.

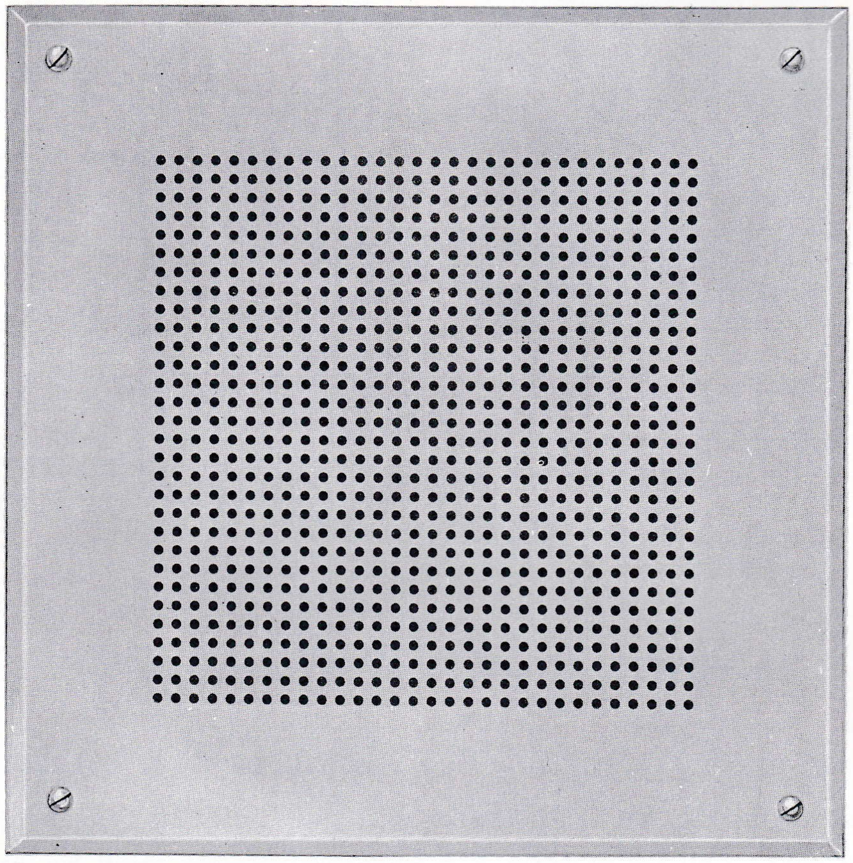
The clock and wall baffle shall consist of a mounting plate to accommodate 8″ loudspeaker which shall be seated on a steel spinning which is to be welded to a mounting plate. Mounting plate is to be punched with 6 mounting screw clearance holes, through which it is fastened to protective enclosure. Mounting plate is to be equipped with 4 aluminum threaded rivets on to which front clock grill is to be mounted. Mounting plate to be 20 gauge C.R.S. and is to be finished in a flat black baked enamel.

Front grill is to be made of one piece 20 gauge C.R.S. frame to which 22 gauge perforated C.R.S. is to be integrally welded. Front grill is to be equipped to receive a ____ clock (specify size of clock) such as manufactured by ____ (name of clock manufacturer) model No ____ (give manufacturers model No). Grill finish to be matte white baked enamel. Grill to mount to speaker mounting plate by means of 4 screws.

Protective Enclosure shall be made of 20 gauge C.R.S. and the interior is to be lined with a heavy undercoating to prevent metallic resonances. Enclosure is to be equipped with 4 triple combination knockouts at top and bottom and 2 at each end. Finish shall be rust preventative Epon primer.

All steel surfaces are to be phosphate coated and chemically cleaned prior to application of finish.

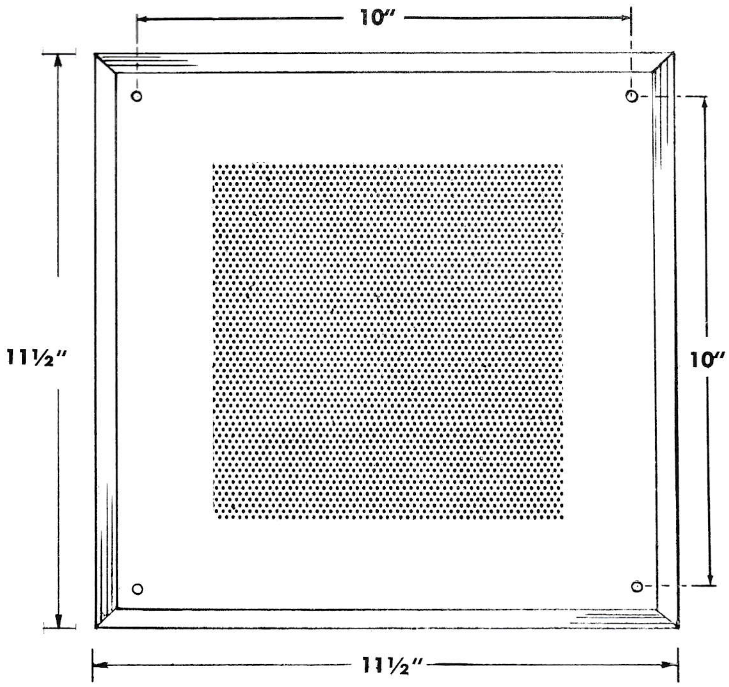
161 SERIES 198 SERIES
TRIM SQUARES PROTECTIVE ENCLOSURES

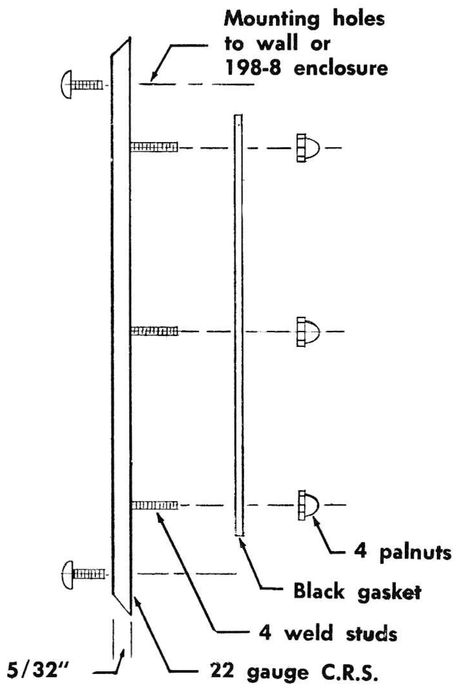


161 SERIES - The 161 series recessed wall baffle is an economical steel trim square of one piece construction. Large perforated area is featured and speaker mounting is achieved through four weld studs. Square black "no leak" gasket is furnished for uniform appearance of perforated area. Finish is matte white baked enamel. Other colors available on special order.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE	PROTECTIVE ENCLOSURE
161-8	8"	198-8


10"
11½"
10"
11½"


Mounting holes to wall or 198-8 enclosure
4 palnuts
Black gasket
4 weld studs
5/32"
22 gauge C.R.S.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The recessed mounted baffle shall be SOUNDOLIER No. 161-8 and shall be of one piece construction. Perforated area shall be of one piece construction. Perforated area shall be at least 7⅜" square. Baffle shall be made of 22 gauge C.R.S. and shall have 4 welded studs for 8" loudspeaker mounting. Perforated area not covered by loudspeaker shall be covered by a heavy fibre gasket to prevent leaks. Gasket color is to be black.

Baffle is to be finished in matte white baked enamel (other colors available). Steel surfaces to be chemically cleaned and are to be phosphate coated prior to finishing.

Baffle is to be mounted to a SOUNDOLIER No. 198-8 Protective Enclosure.

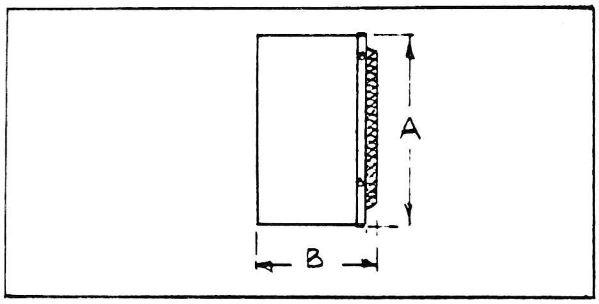
410 SERIES
WALL BAFFLES

410 SERIES - The 410 series baffle is designed for surface wall mounting. A satin brushed aluminum finish and a spun grill create an attractive appearance. The compact size makes this unit ideal for small areas where mounting space is limited. Patched jute lining and undercoating prevent mechanical and acoustical resonances. The standard finish is satin brushed aluminum, however, it can be furnished in satin brushed brass or satin brushed bronze. Suffix catalog number with "BS" when ordering the brass finish and "BE" when ordering the bronze finish.

The 410 series, matches the 510 series corridor baffle in size and appearance.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE
410-5	5"
410-6	6"
410-7	7"
410-8	8"

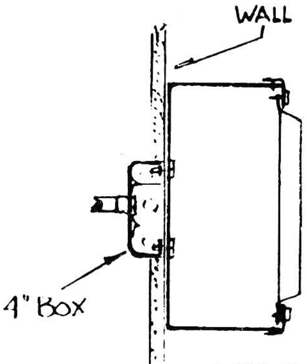


DIMENSIONAL SPECIFICATIONS

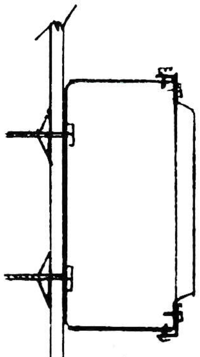
CAT. NO.	A	B
410-5	8"	4 3/4"
410-6	8"	4 3/4"
410-7	9 3/8"	5 1/4"
410-8	9 3/8"	5 1/4"

SPECIFICATIONS

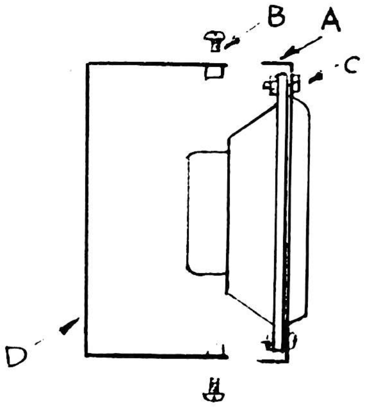
MATERIAL	Aluminum Grille - C.R.Steel All but 410-7,410-8
GAUGE	Aluminum - 18 Gauge C.R.Steel- 20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Sheet metal deadner and patched jute lining
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze



DIRECT MOUNTING
TO 4" OUTLET BOX

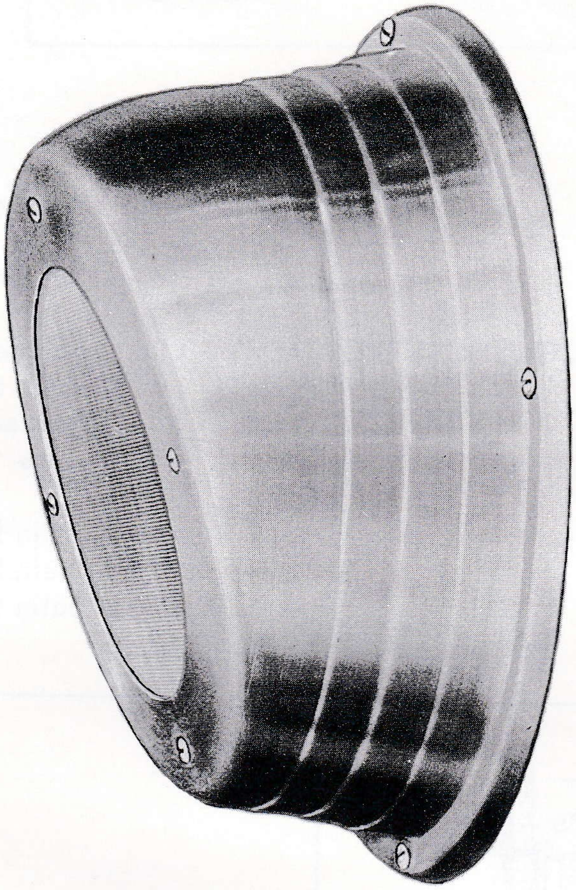


DIRECT WALL MOUNTING
WITH TOGGLE BOLTS



A	Front grille, holds speaker.
B	3 8-32 machine screws, bright cadmium plate heads. Mounts front grille to body. Furnished with 410 series.
C	4 8-32 machine screws, bright cadmium plate heads. Mounts speaker to front grille. Furnished with palnuts in 410 series.
D	Body.

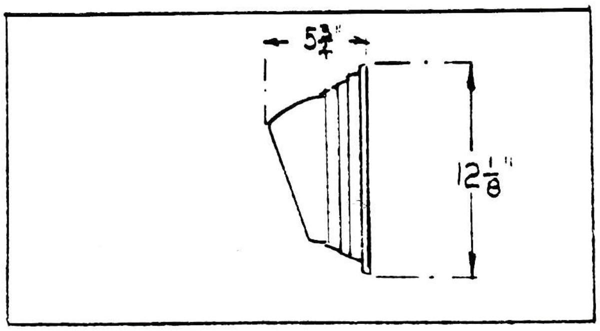
420 SERIES
CONTROLLED DIRECTIONAL WALL BAFFLES



420 SERIES - The 420 series is a controlled directional wall baffle featuring a 15 degree offset in the direction of radiation. The entire baffle is of one piece construction achieved through a unique metal spinning operation. Heavy undercoating, patched jute lining and concentric reinforcement rings prevent metallic and acoustical resonances. The standard finish is satin brushed aluminum. The unit can be furnished in satin brushed brass or satin brushed bronze. Suffix the catalog number with "BS" when ordering the brass finish and "BE" when ordering the bronze finish.

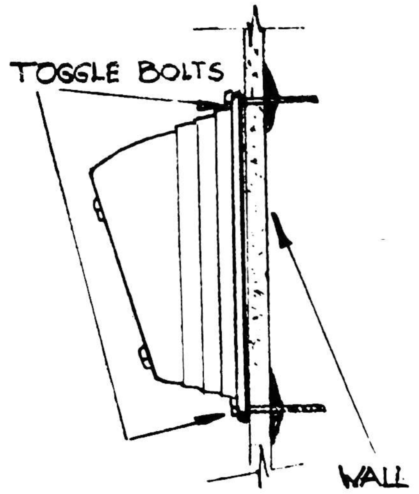
AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE
420-7	7"
420-8	8"



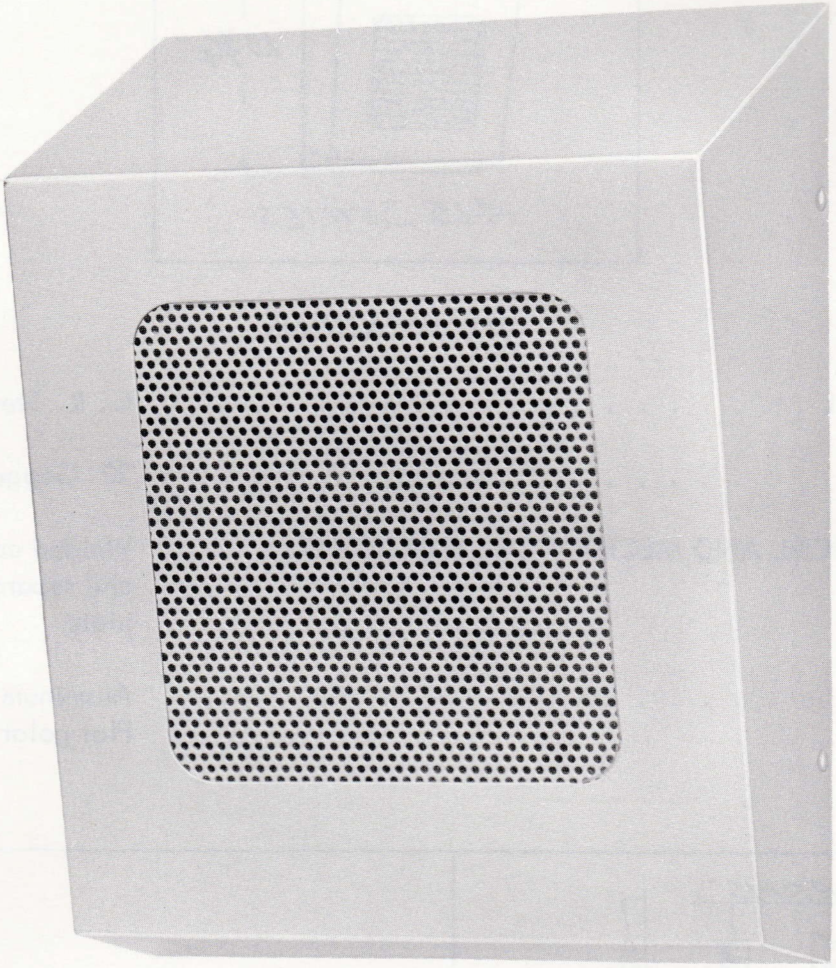
SPECIFICATIONS

MATERIAL	Aluminum
GAUGE	18 Gauge
MECHANICAL AND ACOUSTICAL TREATMENT	Patched jute lining, sheet metal deadner and concentric reinforcement rings
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze



The 420 series may be mounted to the wall through four toggle bolts. On special request, adapters will be furnished to mount to any outlet box specified.

415 SERIES
CONTROLLED DIRECTIONAL WALL BAFFLES

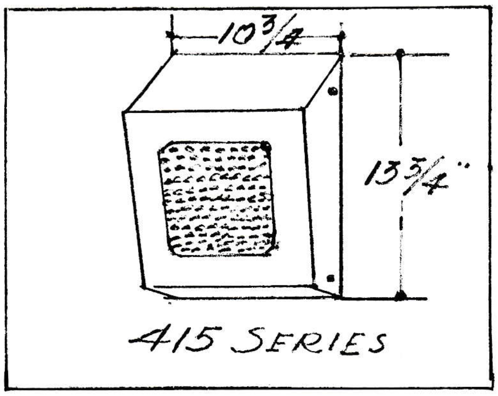


415 SERIES - The 415 series is a controlled directional wall baffle featuring an offset in the direction of radiation. A companion piece to the 461 series, the 415 series is fully surface and exhibits angular lines and a rectangular loudspeaker cut-out for a modern appearance. A separate speaker mounting plate guards against bass "leaks". Special adapter arms eliminate front screw heads. The standard finish is sprayed aluminum paint. The unit can be furnished in a flat polar white. Suffix the catalog number with "W" when ordering white.

AVAILABLE MODELS

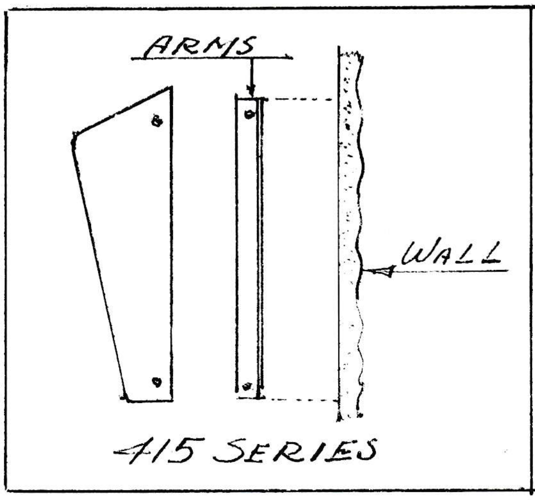
CATALOG NUMBER	SPEAKER SIZE
415-7	7"
415-8	8"

DIMENSIONAL SPECIFICATIONS



SPECIFICATIONS

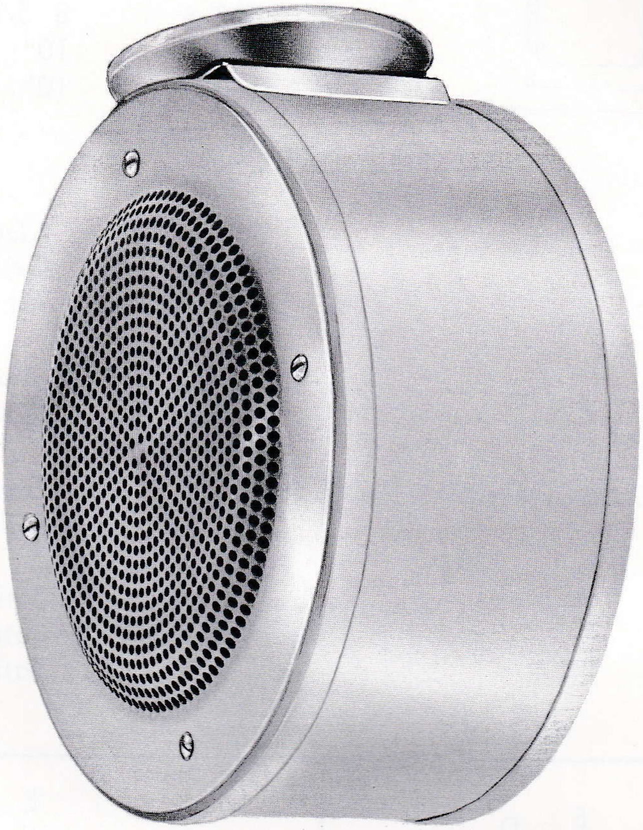
MATERIAL	C. R. Steel
GAUGE	20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Welded construction and separate mounting plate
FINISH	Aluminum paint Flat polar white



The 415 series is mounted by first attaching the arms to the wall with toggle bolts or screws. The arms should be carefully spaced using the 415 body as a guide. Then mount the 415 to the arms with screws provided.

MOUNTING INSTRUCTIONS

510 SERIES
BIDIRECTIONAL CORRIDOR BAFFLES

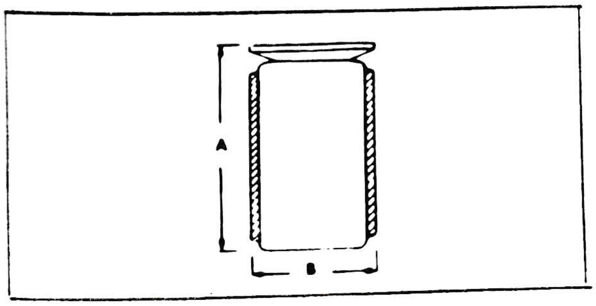


510 SERIES - The 510 series baffle is designed for corridor mounting where bidirectional radiation is desired. A satin brushed aluminum finish and spun grill creates an attractive appearance. Patched jute lining and a heavy layer of undercoating prevents mechanical and acoustical resonances. The standard finish is satin brushed aluminum. The unit, however, can be furnished in a satin brushed brass or satin brushed bronze finish. Suffix the catalog number with "BS" when ordering the brass finish and "BE" when ordering the bronze finish.

The 510 series baffle matches the 410 series surface wall baffle in size and appearance.

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE
510-5	5"
510-6	6"
510-7	7"
510-8	8"

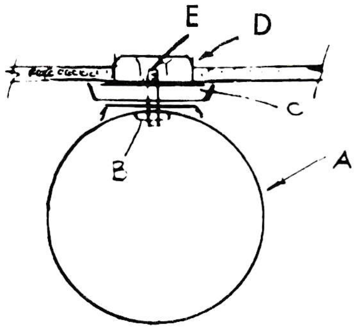


DIMENSIONAL SPECIFICATIONS

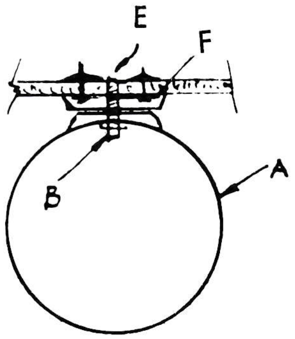
CAT. NO.	A	B
510-5	8 5/8"	5"
510-6	8 5/8"	5"
510-7	10"	5 1/2"
510-8	10"	5 1/2"

SPECIFICATIONS

MATERIAL	Aluminum Grille - C. R. Steel All but 510-7, 510-8
GAUGE	Aluminum - 18 Gauge C.R. Steel- 20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Sheet metal deadner and patched jute lining
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze



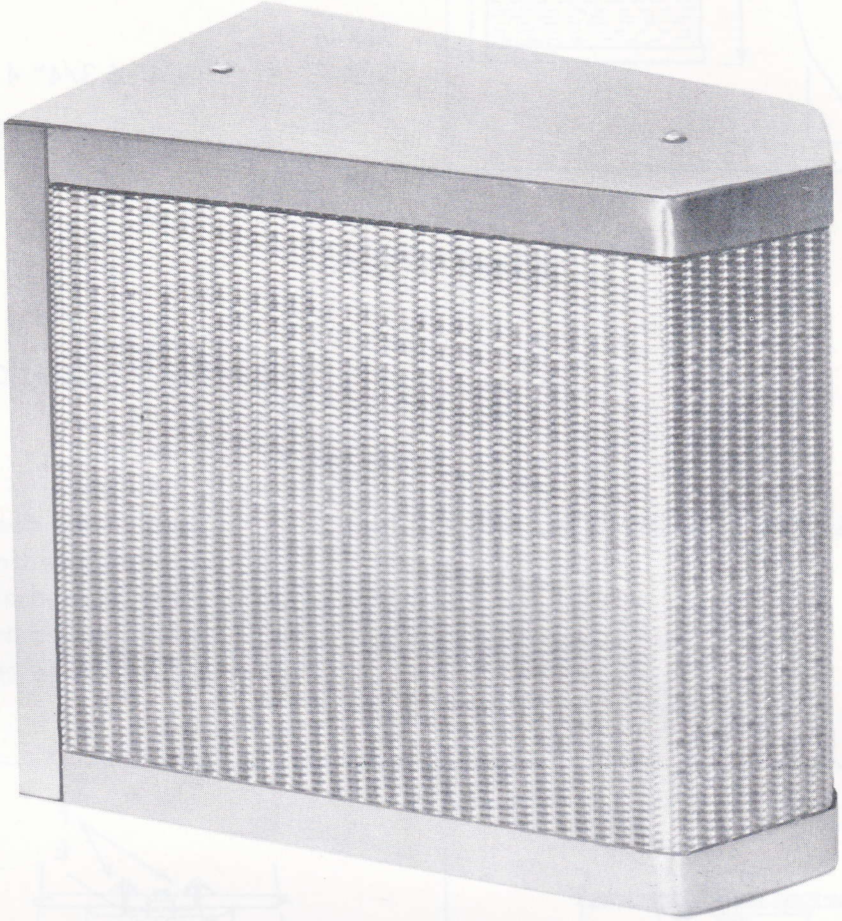
MOUNT TO OUTLET BOX



TOGGLE BOLT TO CEILING OR WALL

A	510 series baffle.
B	Locking nut, tightens baffle to wall. Furnished with 510 series.
C	Universal crossbar with adapter fastens to outlet box or toggle bolts to wall. Furnished with 510-8.
D	Outlet box, furnished by others.
E	1/4" x 1/4" nipple, furnished with 510 series.
F	Toggle bolts, furnished by others.

512 SERIES
BIDIRECTIONAL CORRIDOR BAFFLES

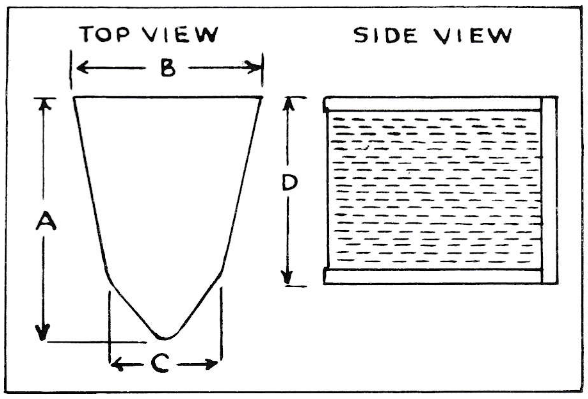


512 SERIES - The 512 series baffle is an attractive bidirectional radiation baffle particularly adaptable for use in corridors. Loudspeaker is mounted in uniquely constructed steel chamber which is designed for maximum path length for increased bass. Patched jute lining and a heavy layer of undercoating prevents mechanical and acoustical resonances.

Outside housing is constructed of aluminum. Standard finish is satin brushed aluminum. For satin brass finish, suffix catalog number with "BS", and for satin bronze finish use suffix "BE".

AVAILABLE MODELS

CATALOG NUMBER	SPEAKER SIZE
512-6	6"
512-7	7"
512-8	8"

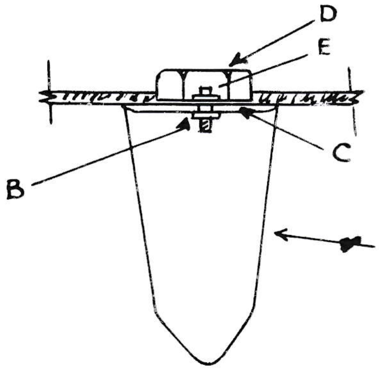


DIMENSIONAL SPECIFICATIONS

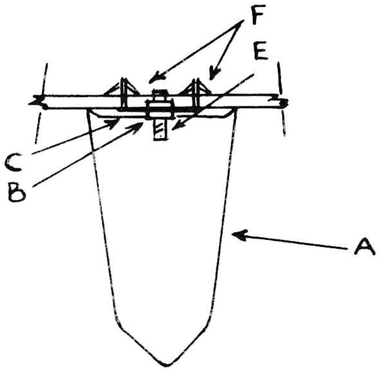
CAT. NO.	A	B	C	D
512-6	10 3/4"	6 3/4"	4 1/2"	9 1/8"
512-7				
512-8				

SPECIFICATIONS

MATERIAL	Aluminum (Inner housing)C.R.Steel
GAUGE	Aluminum 18 Gauge C. R. Steel 20 Gauge
ACOUSTICAL AND MECHANICAL TREATMENT	Sheet metal deadner and patched jute lining
FINISH	Satin brushed aluminum Satin brushed brass Satin brushed bronze



Outlet Box mounting

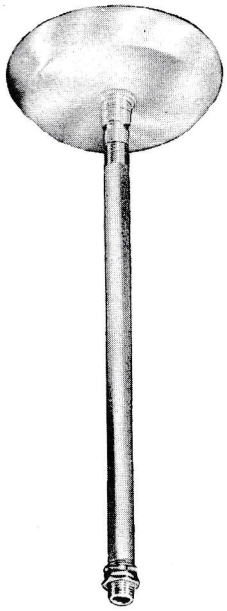


Toggle Bolt to ceiling or wall

A - 512 Series baffle.
B - Locknut; tightens baffles to wall. Furnished with 512 series.
C - Universal crossbar with adapter fastens to outlet box or toggle bolts to wall. Furnished with 512 series.
D - Outlet box, furnished by others.
E - 1/4" I.P.T. nipple Furnished with 512 series.
F - Toggle bolts, furnished by others.

335 SERIES 235 SERIES 180 SERIES 181 SERIES 182 SERIES 183 SERIES 186 SERIES

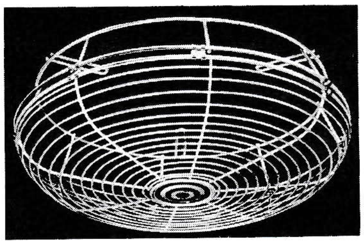
ACCESSORIES



335 SERIES SUSPENSION HANGERS - The 335 series features a brushed aluminum canopy, a nickel plated hangstraight swivel, a bright zinc plated one half inch steel rod and all necessary hardware. The rod is available in multiples of one foot. Provisions are made for mounting to a 4" outlet box.

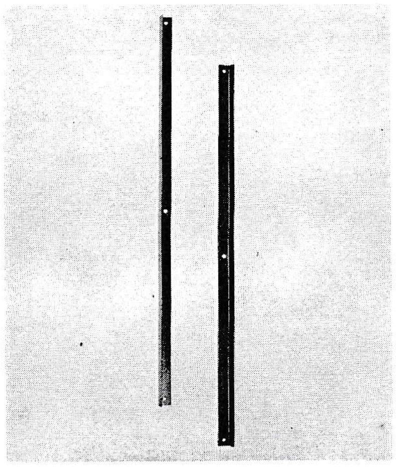
The 335 series can be furnished in satin brass or satin bronze finish. Suffix the catalog number with "BS" when a brass finish is desired and with "BE" when ordering a bronze finish.

CATALOG NUMBER	LENGTH
335-2	2'
335-3	3'
335-4	4'



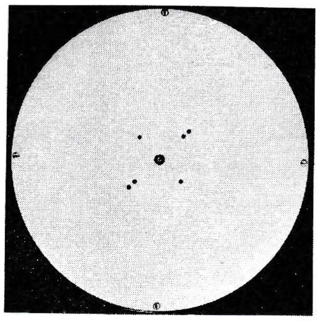
235 SERIES SAFETY GUARDS - The 235 series is an attractive heavy gauge wire guard to be used where baffle and loudspeaker protection are necessary. The unit is ideal for gymnasiums, hospitals, schools and institutions. The available finish is a bright cadmium plate.

CATALOG NUMBER	FITS BAFFLE NUMBER
235-78-SN	310-7, 310-8
235-78-SE	210-7, 210-8
235-1012-SN	310-10, 310-12, 312-8
235-1012-SE	210-10, 210-12, 212-8



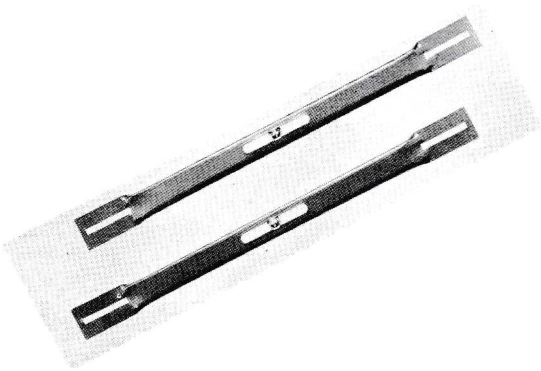
180 CHANNEL SETS FOR SUSPENDED CEILINGS - The 180 series channel sets are used where there is no support available for protective enclosures or baffles in channel type ceilings. Provisions are made to mount to any type protective enclosure or plaster frame. The sets are finished in a rust preventative coating.

CATALOG NUMBER	DESCRIPTION
180-2	For 24" span
180-4	For 48" span



181, 182, 183 SERIES ADAPTER - The 181, 182 and 183 series adapter are heavy gauge steel plates designed to mount the 23, 24, and 260 surface ceiling baffles. They are tapped and punched to readily adapt to a 4" outlet box, 1900 box, or gem type box. The standard finish is a rust preventative coating.

ADAPTER	MOUNTS
181-8	24-8
182-6	23-6
182-8	23-7, 23-8
183-6	260-6
183-8	260-7, 260-8



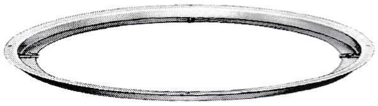
186 SERIES MOUNTING BARS - The 186 series mounting bars are used to quickly and efficiently mount the 95, 76 and 75 series protective enclosures and plaster rings. An adjustable slot and a sliding basket nut allows for a wide range of enclosure or plaster ring positioning. Slotted nail holes simplifies many mounting problems. Available in two spans, 16 and 24 inch. The sets are finished in a rust preventative coating.

CATALOG NUMBER	DESCRIPTION
186-16	16" span
186-24	24" span

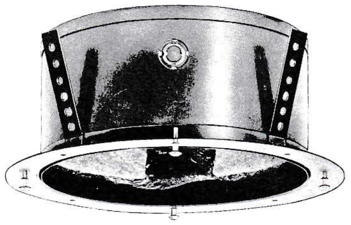
SPECIFICATIONS

		MATERIAL	GAUGE
335 SERIES - - -	Canopy	AL. (25-1/2H)	20
	Rod	Steel	
	Swivel	Steel	
235 SERIES		Steel Wire	#6
180 SERIES		Steel	18
181, 182, 183 SERIES		Steel	20
186 SERIES		Steel	20

95 SERIES, 76 SERIES, 75 SERIES
PROTECTIVE ENCLOSURES
AND PLASTER RINGS



76 SERIES



95 SERIES

75 SERIES

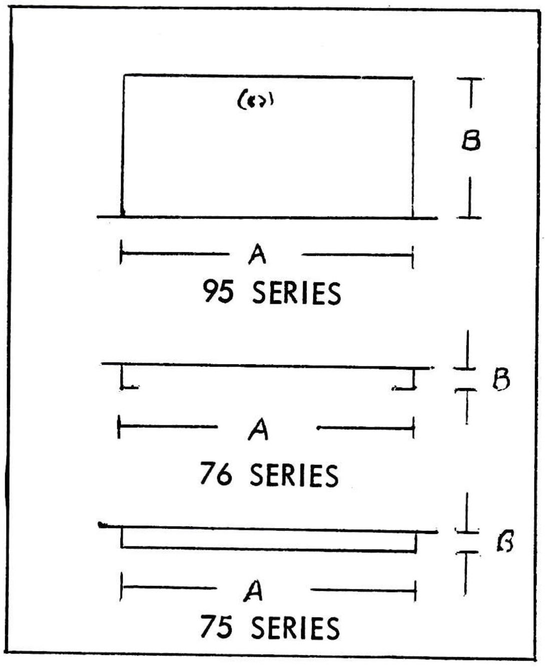
95 SERIES - The 95 series cylindrical protective enclosures are of welded construction throughout. Heavy gauge steel, undercoating, and patched jute lining eliminates mechanical and acoustical resonances. Each unit is furnished with four compound conduit knockouts and protected with a rust preventative coating.

The 95 series protective enclosure can be used in existing or new construction installations, thus simplifying stocking problems and eliminating confusion on the job. Each enclosure is labelled with mounting instructions for rapid hanging. Please note - the 95 series does not mount with the 76 series or the 75 series. It is self contained. Units may be obtained in multiples of 1" greater than the standard length. See price lists.

76 SERIES, 75 SERIES - The 76 series and 75 series are circular plaster frames designed to mount the baffles listed in the table below. Each ring has a different construction (see above) thus allowing a selection for your particular job. Choose either the 75 series or the 76 series to fit your needs.

AVAILABLE MODELS

CATALOG NUMBER		USED ON BAFFLE NUMBERS
PROTECTIVE ENCLOSURE	PLASTER RING	
95-6	75-6, 76-6	60-5, 60-6, 61-5, 61-6 68-6, 162-6
95-8	75-8, 76-8	60-7, 60-8, 61-7, 61-8 68-7, 68-8, 66-6, 67-8 162-7. 162-8, 63-8, 10-7 10-8, 12-7, 12-8, 15-7, 15-8 17-8, 165-8, 460-7, 460-8 165-8, 51-8
95-10	75-10, 76-10	66-7, 66-8, 63-10, 63-12
95-12	75-12, 76-12	60-10, 60-12, 61-10, 61-12 66-10, 66-12, 162-10, 162-12


B
A
95 SERIES
B
A
76 SERIES
B
A
75 SERIES

DIMENSIONAL SPECIFICATIONS

MODEL	A	B
95-6	8 1/4	4
95-8	9 7/8	4 1/4
95-10	12 9/16	7
95-12	14 5/8	7
76-6	10 3/16	7/16
76-8	11 15/16	7/16
76-10	14 5/16	7/16
76-12	16 5/16	7/16
75-6	8 1/4	5/8
75-8	9 7/8	5/8
75-10	12 9/16	5/8
75-12	14 5/8	5/8

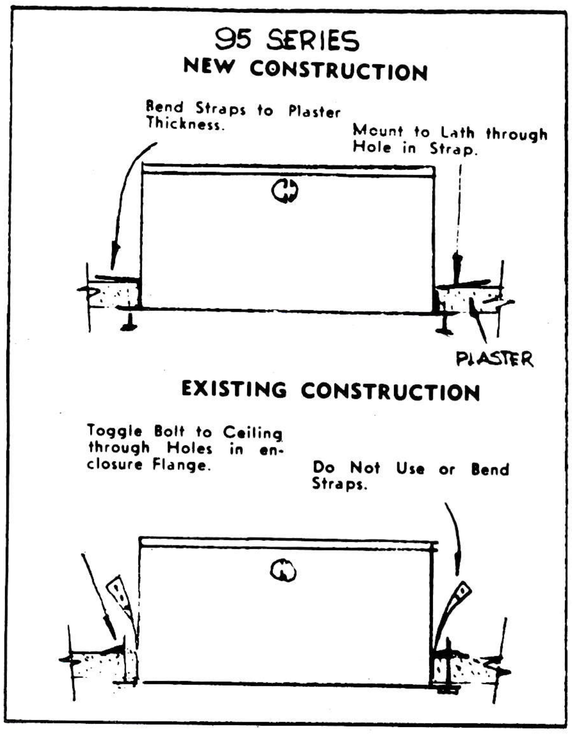
SPECIFICATIONS

MATERIAL . . . . C. R. Steel

GAUGE . . . . 20 Gauge

ACOUSTICAL AND MECHANICAL TREATMENT . . . Sheet metal deadner and patched jute lining
(pertains to 95 series only)

FINISH . . . . Rust preventative coating


95 SERIES
NEW CONSTRUCTION
Bend Straps to Plaster Thickness.
Mount to Lath through Hole in Strap.
PLASTER
EXISTING CONSTRUCTION
Toggle Bolt to Ceiling through Holes in enclosure Flange.
Do Not Use or Bend Straps.

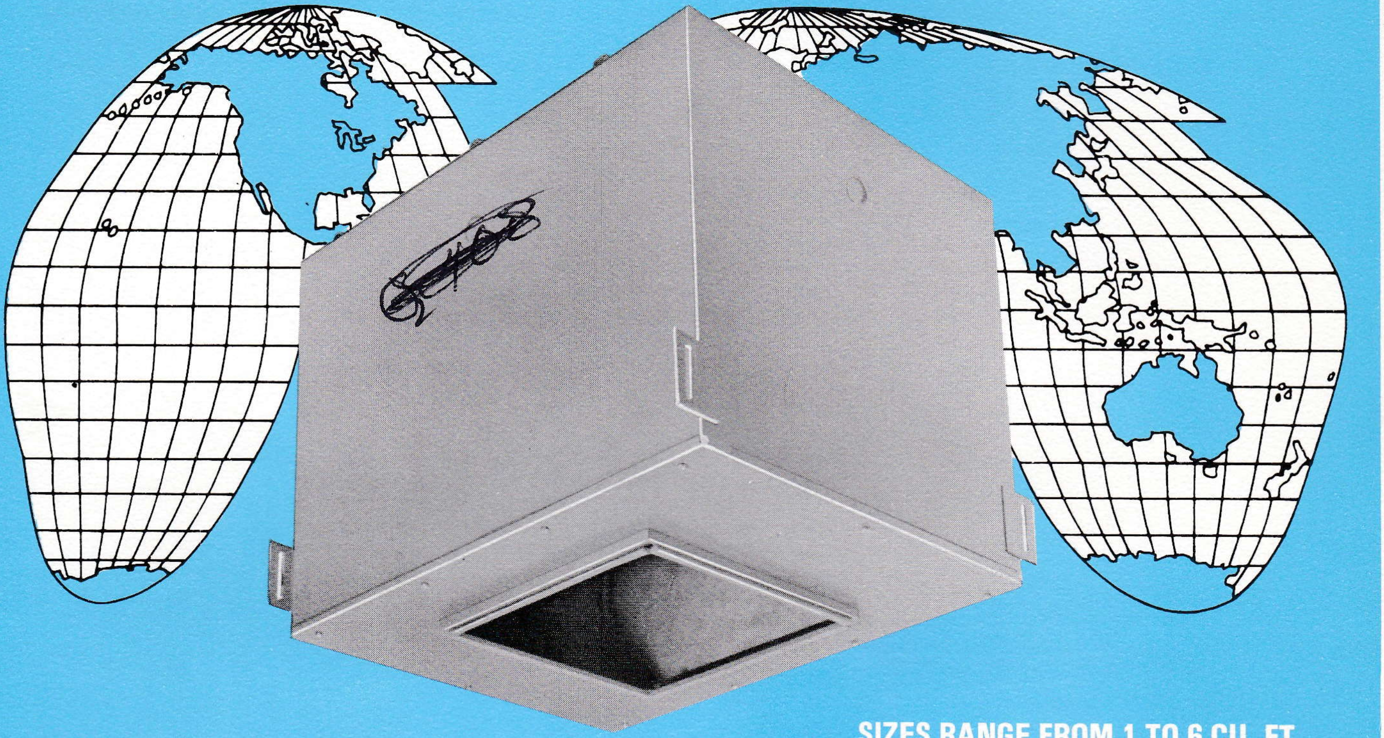
MOUNTING INSTRUCTIONS

The 95 series enclosure may be used for new or existing construction.

In new construction, bend straps to the proper plaster thickness and mount to lath thru holes in straps. In existing construction, leave straps in a verticle direction close to the sides of the enclosure. Mount enclosure through the holes in the flange. Please note accompanying drawing.

Each enclosure is labeled with similar instructions for rapid installation on the job

SOUNDOLIER'S NEW "Q" SERIES GIVES YOU THE BEST OF BOTH WORLDS:



SIZES RANGE FROM 1 TO 6 CU. FT.

THE ACOUSTICAL QUALITY OF WOOD IN A METAL ENCLOSURE

☐ The big, rich, full sounds the industry has demanded for some time, traditionally, have come from wood enclosures. ☐ Along with that, went the traditional headaches and inconvenience of custom construction, to say nothing about the expense. ☐ Even after construction, there was the nagging detail of securing and attaching the proper fittings before you could even think about installation. The "Q" series ends all that. ☐ Specially designed, you'll find no metal-to-metal contact in the construction...its ½" thick acoustical fiber board is permanently affixed to the entire inner walls, effectively eliminating "hangover" and vibration normally associated with large metal enclosures...inner walls are lined with 1½" thick fiberglass, controlling resonances in the high end of the frequency spectrum...it comes complete with its own mounting fixtures, ready for immediate installation. ☐ The "Q" series comes in standardized sizes, but can be built to your special dimensions on special order. ☐ The Soundolier "Q" series, metal-fiberboard enclosures—the best answer yet to the industry's need for efficiency, quality and reliability in large enclosures. For further details, write for your copy of the specification sheets.

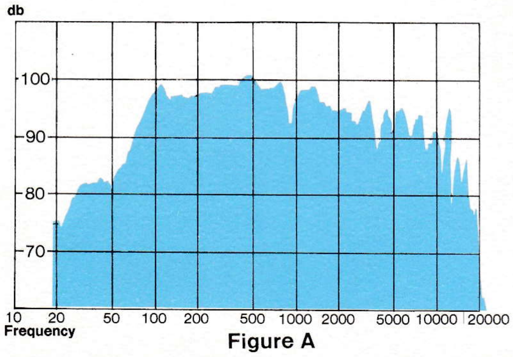


Figure A

The graphs represent the frequency responses of two enclosures. Figure A represents responses from a ¾" plywood enclosure; figure B represents Soundolier's model #Q 4812 metal enclosure. Both are 6 cu. ft. enclosures. Curves are on axis with 12.5 watts into a 12" speaker. The same 12" speaker was used for both curves. The microphone was located 8 ft. from the speaker.

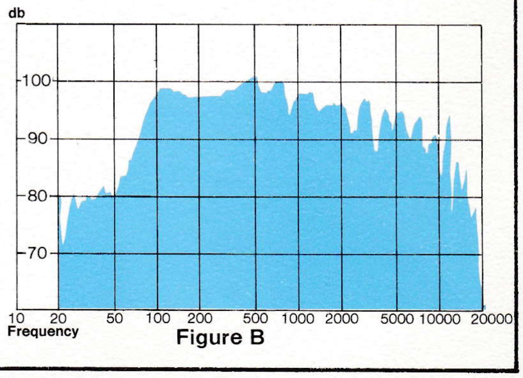


Figure B

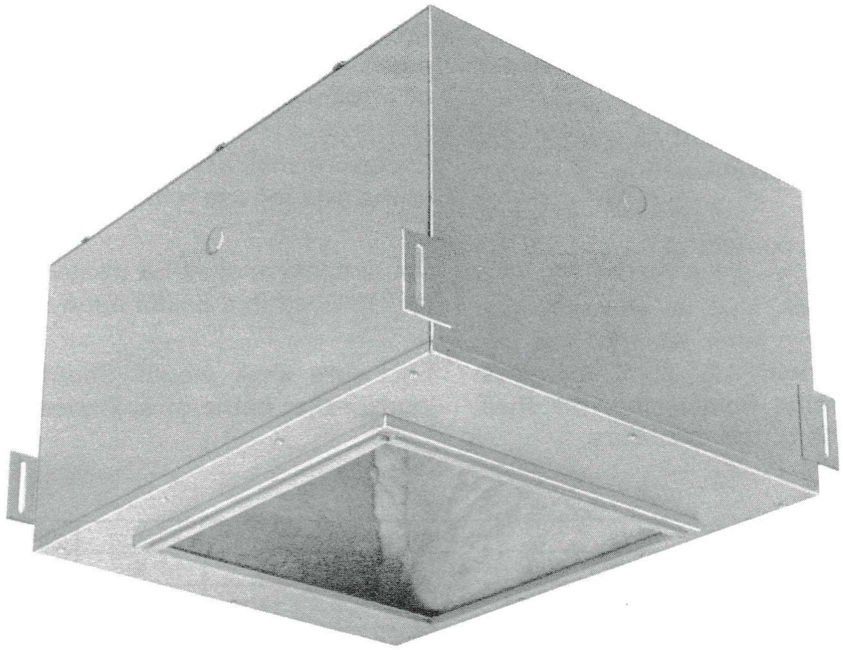
soundolier, inc.

9380 WATSON INDUSTRIAL PARK
ST. LOUIS, MO. 63126/314 962-9870

DELUXE LOUDSPEAKER ENCLOSURES

Q Series / Q418, Q438, Q4412, Q458, Q4612

1½, 2, 3 Cu. Ft.



GENERAL DESCRIPTION

Professional sound contractors and design engineers have long had a requirement for large loudspeaker enclosures for use in quality distributed sound systems. To meet the necessity for an acoustically acceptable quality enclosure, ¾″ plywood enclosures had to be custom made for the sound contractor by local wood fabricators.

Although the wood enclosure offered the system designer acceptable acoustical qualities for professional sound reproduction, minimal vibration, little or no "hangover," it did present the sound contractor additional problems — hanging the enclosure in the ceiling, mounting available speaker baffles, meeting building fire codes and having such enclosures readily available from stock.

In response to the industry's need, Soundolier developed the "Q" Series enclosures which have comparable acoustical qualities to ¾″ plywood and also eliminates all the additional problems. Through a unique combination of acoustic board and metal, and the engineered placement of "anti-vibration" ribs, Soundolier has achieved the acoustical qualities of ¾″ plywood but with the general benefits afforded by metal enclosures. Technical Bulletin No. 474 details the remarkable achievement by Soundolier to develop this new approach to quality enclosures.

A unique ½″ thick acoustical fiber board is permanently affixed to the entire inner walls of the enclosure which effectively eliminates the "hangover" and vibration normally associated with large metal enclosures. To achieve additional rigidity, unique ribs are formed on the back side of the enclosure. In addition, the inner walls are lined with 1½″ thick fiberglass with a 1½ lb./cu. ft. density to control unwanted resonances in the high end of the frequency spectrum.

The "Q" Series enclosures are constructed of 18 gauge cold rolled steel. Compound ½″-¾″ knockouts are furnished on all 4 sides.

The front mounting panel of the enclosure is constructed of sturdy 18 gauge steel and incorporates the baffle mounting plaster ring. This panel is isolated by means of a foam gasket to prevent metal to metal contact.

Two sets of slotted mounting tabs are welded on parallel sides to accept the Soundolier Mounting Channels (optional) for mounting the enclosure in the ceiling. These mounting tabs may also be used for any specific mounting technique developed by the installer.

It is important that the sound contractor take particular note of the weight of these enclosures to determine suitable mounting procedures.

The entire metal enclosure is treated with an iron phosphate coating, 50 mg. per sq. ft. prior to finishing with a baked epon enamel. Standard color is black.

Recommended Mounting Channels (Optional)

Installation of "Q" Series enclosures can be facilitated through the use of QR Series mounting channels. All enclosures on this specification sheet may be installed with QR30 channels (30″ long) or QR50 channels (50″ long). Both channel models are constructed of 16 ga. C.R.S. and finished in a black baked epon enamel.

This specification sheet covers 5 "Q" Series Models:

Model	**Size**	**Speaker Size**
Q418	1½ cu. ft.	8″
Q438	2 cu. ft.	8″
Q4412	2 cu. ft.	12″
→ Q458	3 cu. ft.	8″
Q4612	3 cu. ft.	12″

Consult Model Number Chart on the reverse side for exact dimensions and appropriate baffle selection.

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870
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ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal enclosure shall be Soundolier Model ______ (Q418, Q438, Q4412, Q458, Q4612) or approved equal.

The enclosure shall be constructed of 18 gauge cold rolled steel and shall have 4 combination ½" — ¾" knockouts.

Enclosure shall have a cubic content of ________cu. ft.
(1½, 2, 3)

Acoustic fiber board ½" thick, shall be affixed to the inner walls of the enclosure. Inner walls of the enclosure shall also be lined with 1½" thick fiberglass with a 1½ lb./cu. ft. density. Reinforcing ribs shall be formed on the back side of the enclosure.

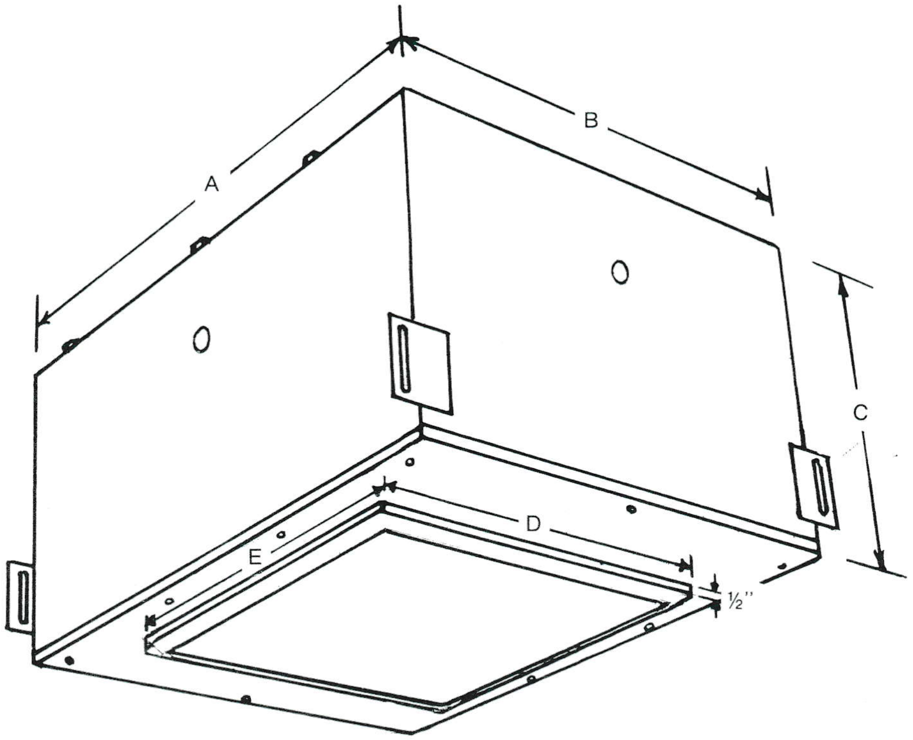
Front mounting panel shall incorporate the baffle mounting plaster ring and shall be isolated by means of a foam gasket to prevent metal to metal contact.

Enclosure shall have 4 slotted mounting tabs welded to the side for use with mounting channels.

The enclosure shall be treated with iron phosphate and finished in a baked epon black enamel.

Enclosure shall mount Soundolier Model ________ loudspeaker baffle or approved equal.

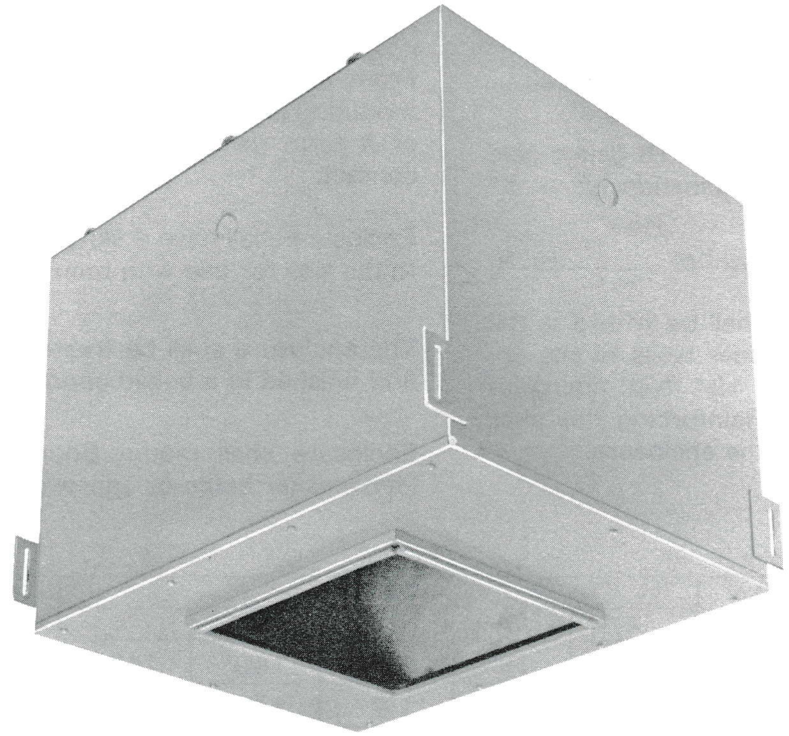
Model	**Cubic**	**Speaker**	**Dimensions**					**Mounts**	**Enclosure Wt.**
No.	**Size (Ft.)**	**Size**	**A**	**B**	**C**	**D**	**E**	**Baffle Model**	**Less Spk.**
Q418	1½	8"	18"	18"	8"	11¾"	11¾"	164-8	21 lbs.
Q438	2	8"	23"	18"	8"	11¾"	11¾"	164-8	25 lbs.
Q4412	2	12"	23"	18"	8"	14⅝"	14⅝"	164-12	25 lbs.
Q458	3	8"	23"	18"	12"	11¾"	11¾"	164-8	30 lbs.
Q4612	3	12"	23"	18"	12"	14⅝"	14⅝"	164-12	30 lbs.



DELUXE LOUDSPEAKER ENCLOSURES

Q Series / Q4712 Q4812 Q4915

4, 6 Cu. Ft.



GENERAL DESCRIPTION

Professional sound contractors and design engineers have long had a requirement for large loudspeaker enclosures for use in quality distributed sound systems. To meet the necessity for an acoustically acceptable quality enclosure, ¾″ plywood enclosures had to be custom made for the sound contractor by local wood fabricators.

Although the wood enclosure offered the system designer acceptable acoustical qualities for professional sound reproduction, minimal vibration, little or no "hangover," it did present the sound contractor additional problems — hanging the enclosure in the ceiling, mounting available speaker baffles, meeting building fire codes and having such enclosures readily available from stock.

In response to the industry's need, Soundolier developed the "Q" Series enclosures which have comparable acoustical qualities to ¾″ plywood and also eliminates all the additional problems. Through a unique combination of acoustic board and metal, and the engineered placement of "anti-vibration" ribs, Soundolier has achieved the acoustical qualities of ¾″ plywood but with the general benefits afforded by metal enclosures. Technical Bulletin No. 474 details the remarkable achievement by Soundolier to develop this new approach to quality enclosures.

A unique 1″ thick acoustical fiber board is permanently affixed to the entire inner walls of the enclosure which effectively eliminates the "hangover" and vibration normally associated with large metal enclosures. To achieve additional rigidity, ribs are formed on the back side of the enclosure. In addition, the inner walls are lined with 1½″ thick fiberglass with a 1½ lb./cu. ft. density to control unwanted resonances in the high end of the frequency spectrum.

The "Q" Series enclosures are constructed of 18 gauge cold rolled steel. Compound ½″-¾″ knockouts are furnished on all 4 sides.

The front mounting panel of the enclosure is constructed of sturdy 18 gauge steel and incorporates the baffle mounting plaster ring. This panel is isolated by means of a foam gasket to prevent metal to metal contact.

Two sets of slotted mounting tabs are welded on parallel sides to accept the Soundolier Mounting Channels (optional) for mounting the enclosure in the ceiling. These mounting tabs may also be used for any specific mounting technique developed by the installer.

It is important that the sound contractor take particular note of the weight of these enclosures to determine suitable mounting procedures.

The entire metal enclosure is treated with an iron phosphate coating, 50 mg. per sq. ft. prior to finishing with a baked epon enamel. Standard color is black.

Recommended Mounting Channels (Optional)

Installation of "Q" Series enclosures can be facilitated through the use of QR Series mounting channels. All enclosures on this specification sheet may be installed with QR30 channels (30″ long) or QR50 channels (50″ long). Both channel models are constructed of 16 ga. C.R.S. and finished in a black baked epon enamel.

This specification sheet covers 3 "Q" Series Models:

Model	Size	Speaker Size
Q4712	4 cu. ft.	12″
Q4812	6 cu. ft.	12″
Q4915	6 cu. ft.	15″

Consult Model Number Chart on the reverse side for exact dimensions and appropriate baffle selection.

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ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal enclosure shall be Soundolier Model ______ (Q4712, Q4812, Q4915) or approved equal.

The enclosure shall be constructed of 18 gauge cold rolled steel and shall have 4 combination ½″ — ¾″ knockouts.

Enclosure shall have a cubic content of ________cu. ft.
(4, 6)

Acoustic fiber board 1″ thick, shall be affixed to the inner walls of the enclosure. Inner walls of the enclosure shall also be lined with 1½″ thick fiberglass with a 1½ lb./cu. ft. density. Reinforcing ribs shall be formed on the back side of the enclosure.

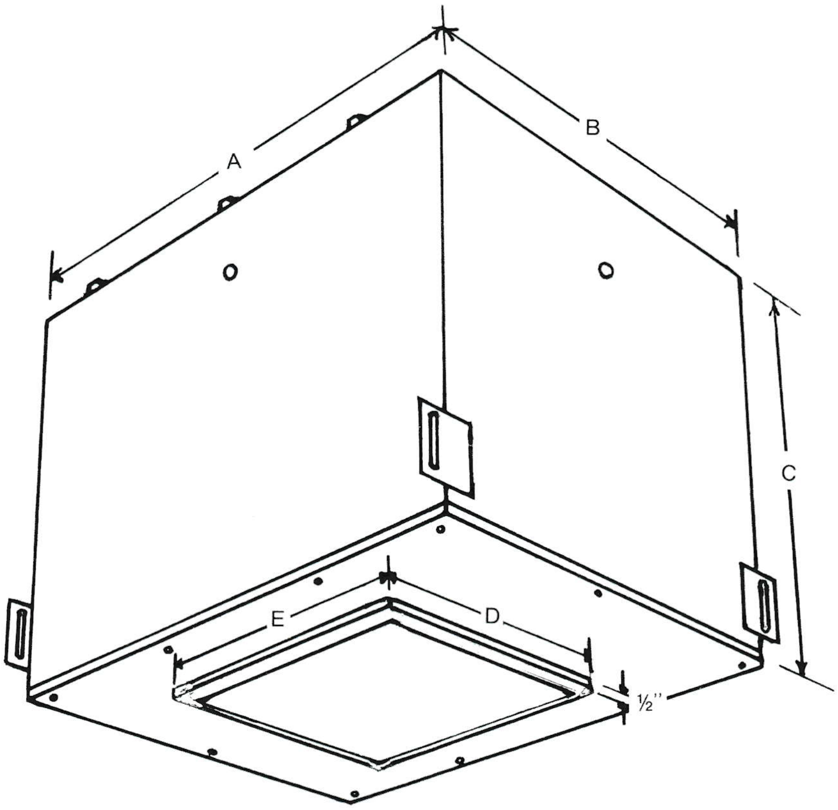
Front mounting panel shall incorporate the baffle mounting plaster ring and shall be isolated by means of a form gasket to prevent metal and to metal contact.

Enclosure shall have 4 slotted mounting tabs welded to the side for use with mounting channels.

The enclosure shall be treated with iron phosphate and finished in a baked epon black enamel.

Enclosure shall mount Soundolier Model _______ loudspeaker baffle or approved equal.

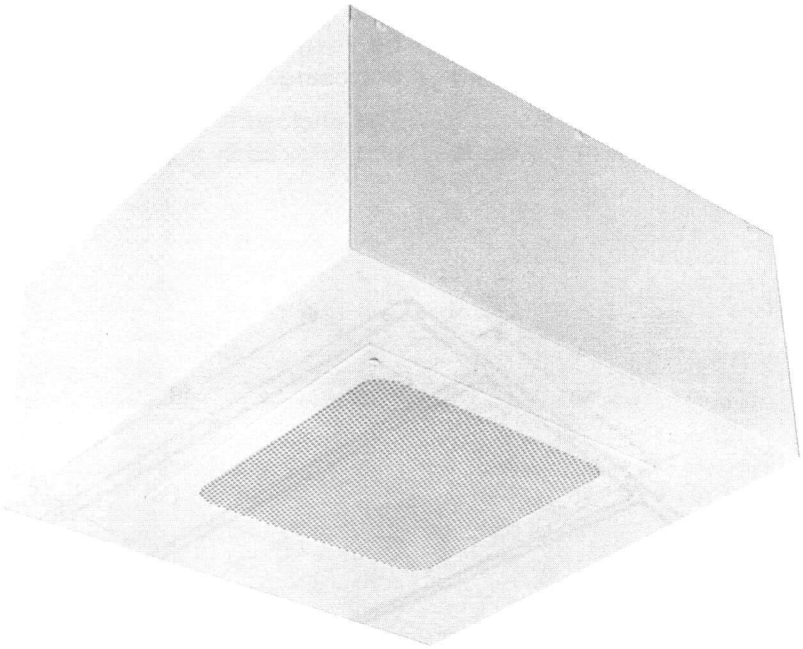
Model No.	**Cubic Size (Ft.)**	**Speaker Size**	**Dimensions**					**Mounts Baffle Model**	**Enclosure Wt. Less Spk.**
			A	**B**	**C**	**D**	**E**		
Q4712	4	12″	23″	18″	16¾″	14⅝″	14⅝″	164-12	44 lbs.
Q4812	6	12″	29½″	23″	15″	14⅝″	14⅝″	164-12	58 lbs.
Q4915	6	15″	29½″	23″	15″	19¼″	19¼″	164-15	58 lbs.



DELUXE LOUDSPEAKER ENCLOSURES

Q Series / Q428-S

1½ Cu. Ft.



GENERAL DESCRIPTION

Professional sound contractors and design engineers have long had a requirement for large loudspeaker enclosures for use in quality distributed sound systems. To meet the necessity for an acoustically acceptable quality enclosure, ¾″ plywood enclosures had to be custom made for the sound contractor by local wood fabricators.

Although the wood enclosure offered the system designer acceptable acoustical qualities for professional sound reproduction, minimal vibration, little or no "hangover," it did present the sound contractor additional problems — hanging the enclosure in the ceiling, mounting available speaker baffles, meeting building fire codes and having such enclosures readily available from stock.

In response to the industry's need, Soundolier developed the "Q" Series enclosures which have comparable acoustical qualities to ¾″ plywood and also eliminates all the additional problems. Through a unique combination of acoustic board and metal, and the engineered placement of "anti-vibration" ribs, Soundolier has achieved the acoustical qualities of ¾″ plywood but with the general benefits afforded by metal enclosures. Technical Bulletin No. 474 details the remarkable achievement by Soundolier to develop this new approach to quality enclosures.

A unique ½″ thick acoustical fiber board is permanently affixed to the entire inner walls of the enclosure which effectively eliminates the "hangover" and vibration normally associated with large metal enclosures. To achieve additional rigidity, unique ribs are formed on the back side of the enclosure. In addition, the inner walls are lined with 1½″ thick fiberglass with a 1½ lb./cu. ft. density to control unwanted resonances in the high end of the frequency spectrum.

The "Q" Series enclosures are constructed of 18 gauge cold rolled steel.

It is important that the sound contractor take particular note of the weight of this enclosure (23 lbs.) to determine suitable mounting procedures.

The entire metal enclosure is treated with an iron phosphate coating, 50 mg. per sq. ft. prior to finishing with a baked epon enamel.

Model Q428-S is a surface mount assembly including the loudspeaker baffle, which is regressed into the enclosure, resulting in an attractive package.

The assembly utilizes a removable back plate for ease of mounting the complete assembly to the ceiling.

Model Q428-S is designed for use with any standard 8″ loudspeaker. Standard finish is baked white enamel.

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ARCHITECTS' AND ENGINEERS' SPECIFICATION

The metal loudspeaker baffle shall be Soundolier Model Q428-S or approved equal.

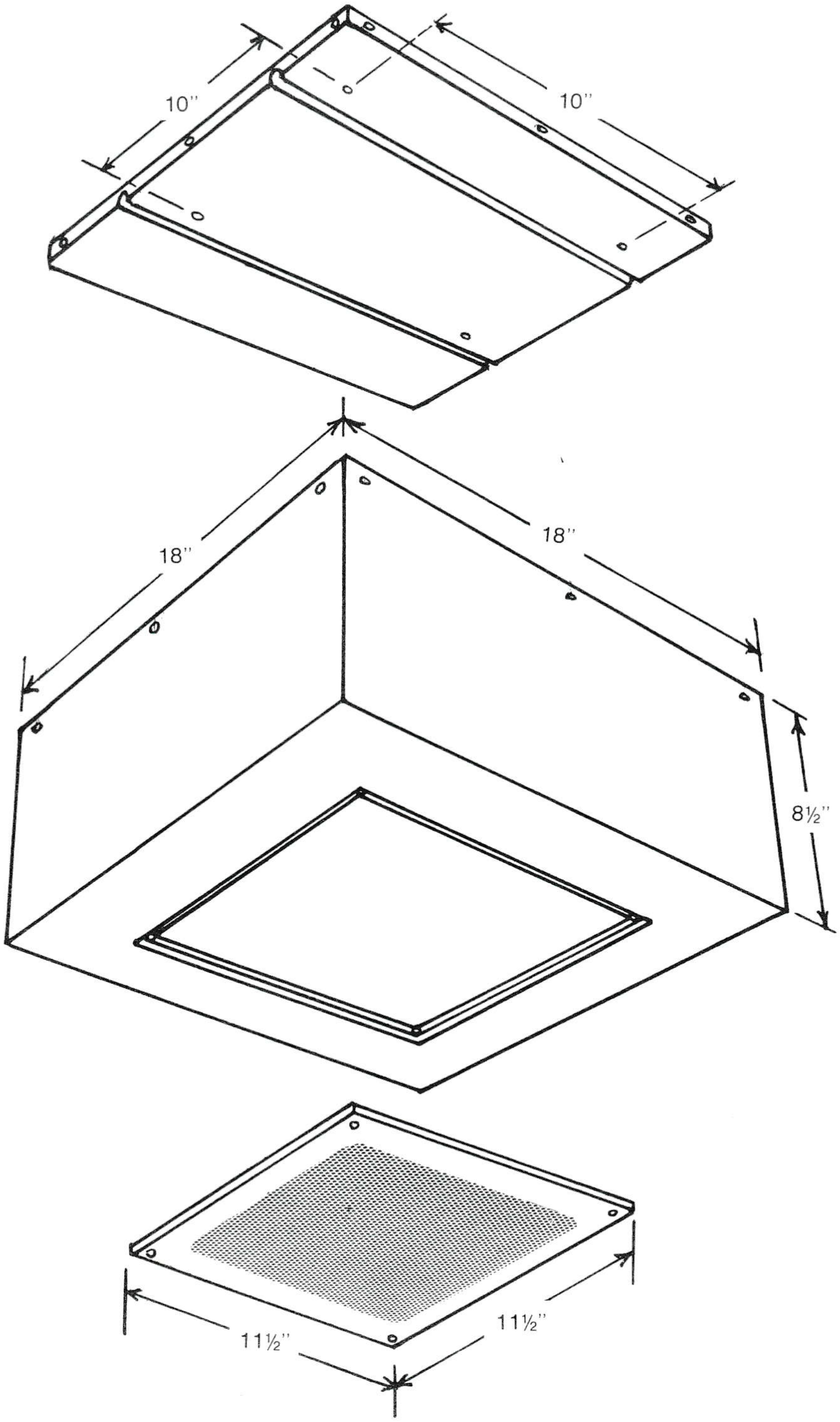
The baffle shall have a removable back plate for mounting the entire baffle to the ceiling.

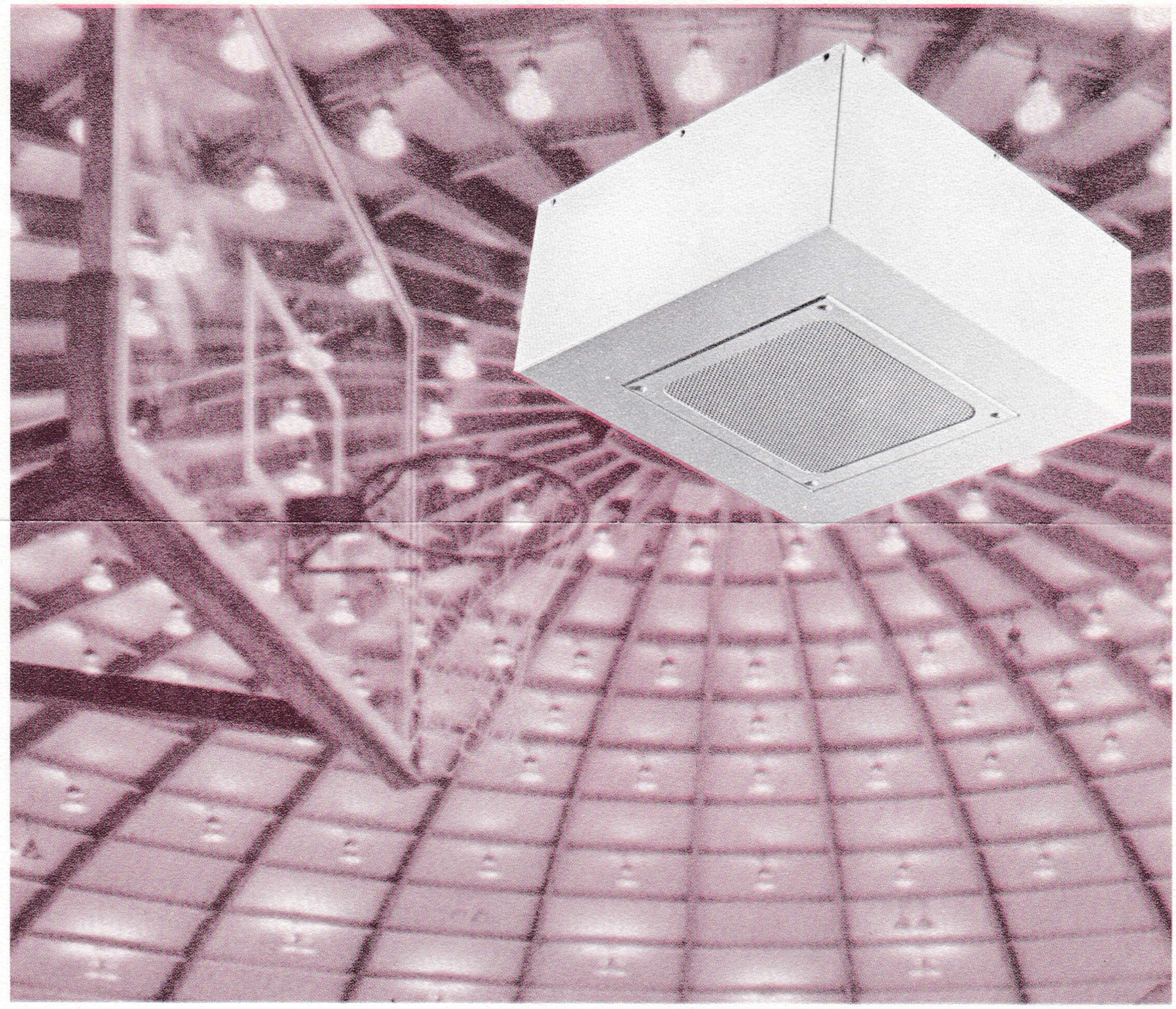
The baffle shall incorporate a speaker grille regressed into the face of the enclosure, and shall have mounting facilities for any standard 8" loudspeaker.

The enclosure shall have a cubic content of 1½ cu. ft.

Acoustic fiber board ½" thick, shall be affixed to the inner walls of the enclosure. Inner walls of the enclosure shall also be lined with 1½" thick fiberglass with a 1½ lb./cu. ft. density. Reinforcing ribs shall be formed on the removable back side of the enclosure.

The enclosure shall be treated with iron phosphate and finished in a baked white enamel.





TODAY'S SOUND REINFORCEMENT SYSTEMS DEMAND BIG ENCLOSURES. SOUNDOLIER'S "Q" SERIES SOLVES THE PROBLEMS—IT'S COMPLETE, OFF-THE-SHELF, SIMPLE TO INSTALL.

Until Soundolier's "Q" Series came along, the only way you could get the full, rich sound required for quality sound reinforcement systems was by customized, wood construction.

There's a better alternative now — the "Q" Series metal enclosures.

The "Q" Series is ready when you are because it's an off-the-shelf production item. And because the "Q" Series is complete with mounting devices, all of the models are ready to be installed as soon as you receive them.

As for sound quality, the "Q" Series delivers exactly the same richness wood can, and we have the tone burst tests and frequency response curves to prove it.

And, when you count up **all** of the costs included in wood construction and installation, the "Q" Series saves you money in addition to all its other advantages. The "Q" Series comes in 10 models, ranging in size from 1 to 6 cu. ft. If you need more details, send for a complete set of Deluxe Loudspeaker Enclosure specification sheets.

soundolier, inc.

9380 Watson Industrial Park ■ Saint Louis, Missouri 63128

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DELUXE LOUDSPEAKER ENCLOSURES

Q Series / Q408✓

1 Cu. Ft.

GENERAL DESCRIPTION

Model Q408 is one of the "Q" Series Enclosures designed and engineered for professional distributed sound systems.

Model Q408 is a welded cylindrical steel protective enclosure having a cubic content of 1 cu. ft. The interior is not only undercoated to eliminate metallic resonances, but is also furnished with 1½" thick fiberglass with a 1½ lb./cu. ft. density. The fiberglass controls unwanted resonances in the high end of the frequency spectrum. The increased cubic content of this enclosure improves the low frequency response of the system, essential for quality sound reproduction.

Model Q408 incorporates a plaster flange and has provisions for the mounting of many popular Soundolier grilles.

The enclosure is designed for use with any standard 8" loudspeaker. Finish is baked epon enamel. Standard color is black.

Model No.	Cubic Size (Ft.)	Speaker Size	Mounts Baffle Model	Enclosure Wt. Less Spk.
Q408	1	8"	51-8, 60-8, M222, 61-8, 67-8, 68-8, 170-8, P900	7 lbs.

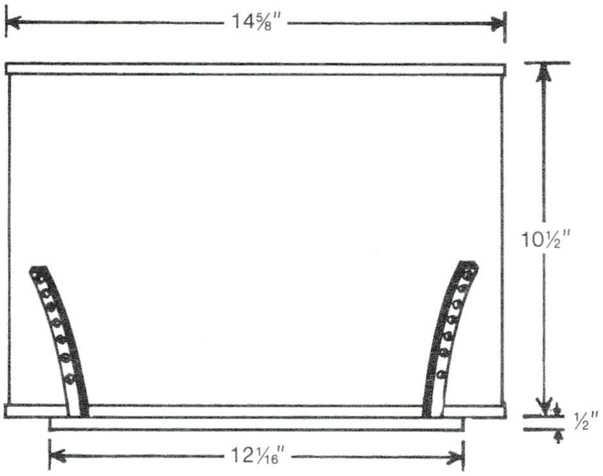
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal enclosure shall be Soundolier Model Q408 or approved equal.

Enclosure shall be of welded construction and shall have 4 combination ½" — ¾" — 1" knockouts. Enclosure shall incorporate a plaster flange with mounting facilities for loudspeaker baffle.

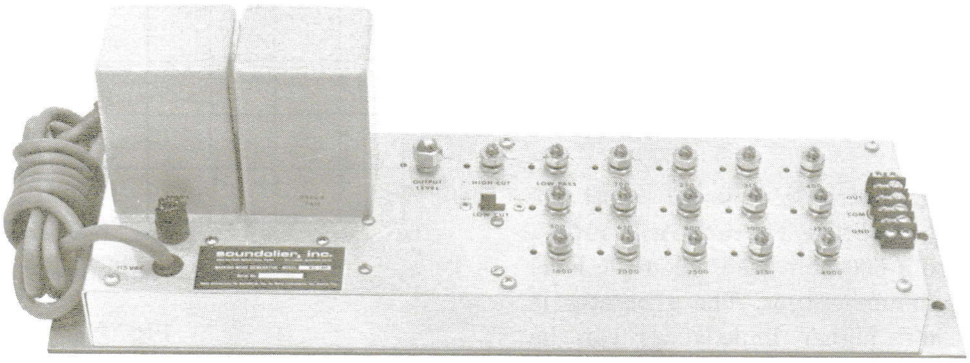
Enclosure shall have a cubic content of 1 cu. ft. Interior of enclosure shall be undercoated and shall be lined with 1½" thick fiberglass with a 1½ lb./cu. ft. density.

Enclosure shall be treated with an iron phosphate coating, 50 mg. per sq. ft. and finished in a black baked epon enamel. Enclosure shall mount Soundolier Model ________________ loudspeaker baffle or approved equal.



MASKING NOISE GENERATOR

MG-1400



FEATURES . . .

- Noise generator based on digital circuits
- Output level control
- Buffered 600 ohm output
- Fourteen adjustable broadband passive notches centered at 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000 Hz for room and loud speaker acoustics equalization
- Active response shaping filter adjustable from flat to 12 db/octave rolloff
- Additional variable HIGH CUT from 5000 Hz for difficult situations
- Selectable low frequency rolloff of 100 or 200 Hz
- Internal power supply for standard 117 VAC operation
- Controls and terminals accessible from the rear
- 5¼ x 19 inch panel, mounts in standard relay rack

GENERAL DESCRIPTION

The Soundolier Model MG-1400 masking noise generator is a carefully engineered source for architectural masking. A digital noise module drives a set of selected filters which shapes the response to obtain a given design specification.

Rolloff settings from flat to 12 db per octave are provided by means of the adjustable active shaping filter. Also provided are fourteen adjustable broadband passive notches on ⅓ octave centers from 200 Hz to 4000 Hz. These notches allow for compensation in room and loudspeaker acoustics. In addition, a switched LOW CUT allows selection of low frequency rolloff points of either 100 Hz or 200 Hz. An adjustable HIGH CUT is incorporated allowing for additional attenuation above 5000 Hz.

The output level is adjustable by means of an OUTPUT LEVEL control.

The Soundolier MG-1400 is mounted on a standard relay rack panel 19″ x 5¼″. The unit is self-contained and operates from 117 VAC. All the controls project to the rear and are secured by lock nuts. Terminals are accessible from the rear.

The front panel is finished in a dark textured bronze, baked enamel.

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INSTALLATION

The Soundolier Model MG-1400 is designed for mounting in a standard relay rack.

Since a power switch is not provided, the generator may be left on continuously or controlled by a switched power source. An internal power supply operates from the standard 117 VAC line.

The signal is taken from the **OUTPUT** and either of the two **COMMON** positions on the terminal strip. The chassis ground terminal is marked GND. If desired, the common side of the output may be wired to the chassis ground.

The OUTPUT LEVEL control is adjusted to set the level required by the amplifier. The unit will supply 0 dbm (.8V RMS) into a 600 ohm load when the level control is set to maximum output. The generator is not load sensitive and higher impedances can be driven without loss of performance.

ADJUSTMENT

Initially, the LOW PASS control should be set fully **counter-clockwise.** The ⅓ octave notch controls and the HIGH CUT control should be set fully **clockwise.**

The LOW CUT switch may be in either the 100 Hz or 200 Hz position, as the low frequency cut off may be determined later. With these settings, PINK NOISE output is achieved.

The LOW PASS control may be now rotated **clockwise** to lower the high end of the spectrum until the sound is either measured or subjectively determined to approximate the desired result. (Refer to curve shown in Fig. A.) If no specification curves are to be met, final adjustments are made by use of some of the ⅓ octave filter sections.

To produce the desired spectrum, the ⅓ octave notch section controls should be rotated **counter-clockwise.** Additional high frequency attenuation may be achieved by rotating the HIGH CUT control **counter-clockwise.** The balance between lows, highs, and middle range can be judged by listening.

If there is a specification to be met which sets permissible sound levels in each ⅓ octave range, an analysis may be made using an audio frequency ⅓ octave spectrum analyzer. The noise measured (and heard) will be the total from all sources including air conditioning. The MG-1400 is then adjusted until the measured noise levels fall within the specified curve, assuming no unusual ambient noise condition.

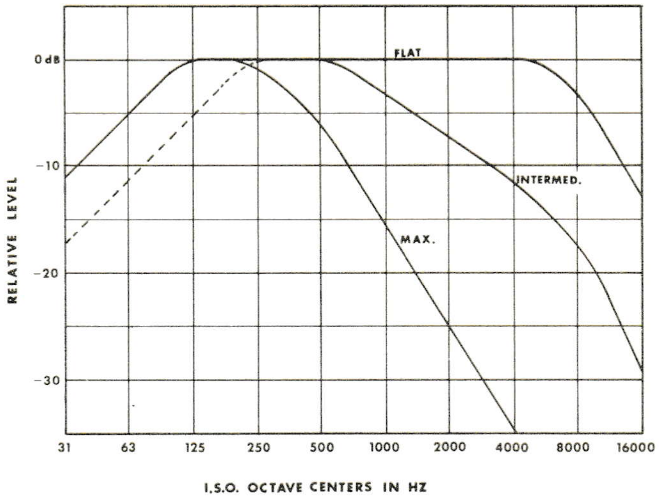


Fig. A

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking noise generator shall be Soundolier Model MG-1400 or approved equal. A digital noise source shall drive a set of selected filters to shape the response to a given design specification.

An adjustable active shaping filter shall provide rolloff settings from flat to 12 db per octave. The generator shall also have fourteen adjustable broadband passive notches on ⅓ octave centers from 200 Hz to 4000 Hz. These notches shall allow for compensation in room and loudspeaker acoustics. The generator shall have a switched Low Cut to allow selection of low frequency rolloff points of either 100 Hz or 200 Hz. It shall incorporate an adjustable High Cut for additional attenuation above 5000 Hz.

The output level shall be adjustable by means of an Output Level Control. The generator shall have a buffered 600 ohm output.

The generator shall be mounted on a standard rack panel with dimensions of 19" x 5¼".

All controls shall project to the rear and shall be secured by lock nuts. Terminal connections shall be accessible from the rear.

The front panel shall be aluminum finish in a dark textured bronze baked enamel.

Made exclusively for Soundolier, Inc. by White Instruments Inc., Austin, Texas

soundolier, inc.

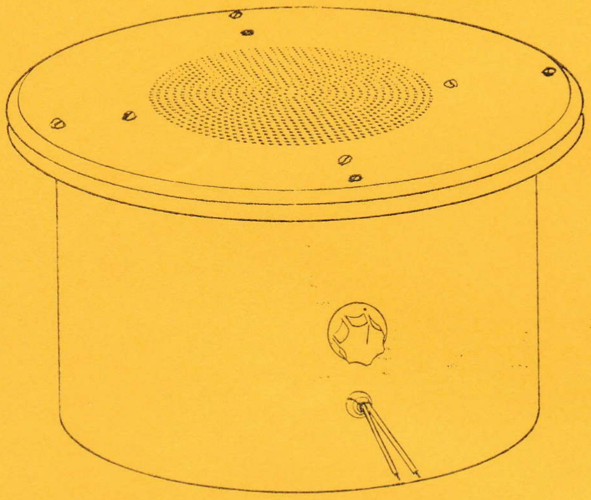
9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

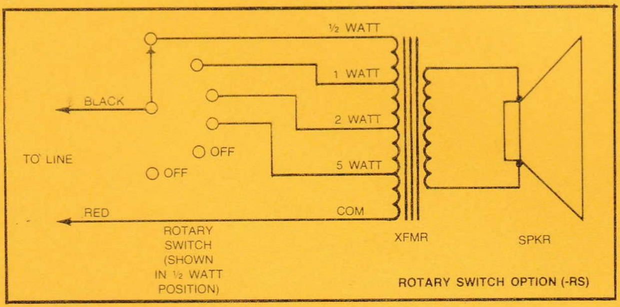
DISTRIBUTOR NET
PRICE SHEET
MARCH 1976

NEW
Soundolier Masking Accessories

NOW SOUNDOLIER OFFERS ROTARY SWITCH AND CONDUIT BOX OPTIONS FOR ALL MASKING ASSEMBLIES USING ROUND ENCLOSURES

ROTARY SWITCH OPTION (-RS)



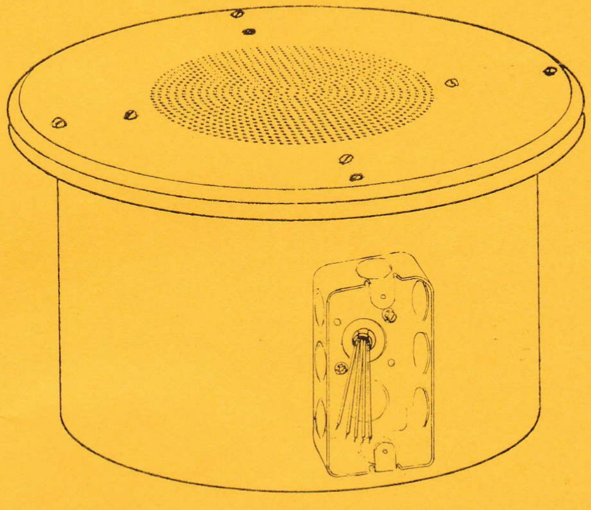

½ WATT
1 WATT
BLACK
2 WATT
TO LINE
○ OFF
○ OFF
5 WATT
RED
COM
ROTARY SWITCH (SHOWN IN ½ WATT POSITION)
XFMR
SPKR

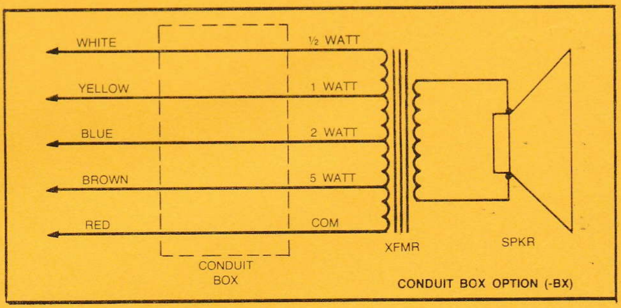
ROTARY SWITCH OPTION (-RS)

Suffix model number with "-RS" for rotary switch version (ex: M81S2T7-RS). This option includes a six position rotary switch and knob connected to the line transformer primary. All wattage taps are selectable with the rotary switch plus "off" positions for increased flexibility. Two color coded leads through a grommetted hole in the enclosure provide the means for quick and easy hook-up.

DISTRIBUTOR COST Add $3.00 to distributor price of Masking Assembly ordered.

CONDUIT BOX OPTION (-BX)




WHITE
½ WATT
YELLOW
1 WATT
BLUE
2 WATT
BROWN
5 WATT
RED
COM
CONDUIT BOX
XFMR
SPKR

CONDUIT BOX OPTION (-BX)

Suffix model number with "-BX" when the job requires a conduit box installed on outside of enclosure (ex: M81S2T7-BX). Units include color coded 5 wire cable for easy wattage tap selection on transformer primary. Cover for the conduit box is included with each model.

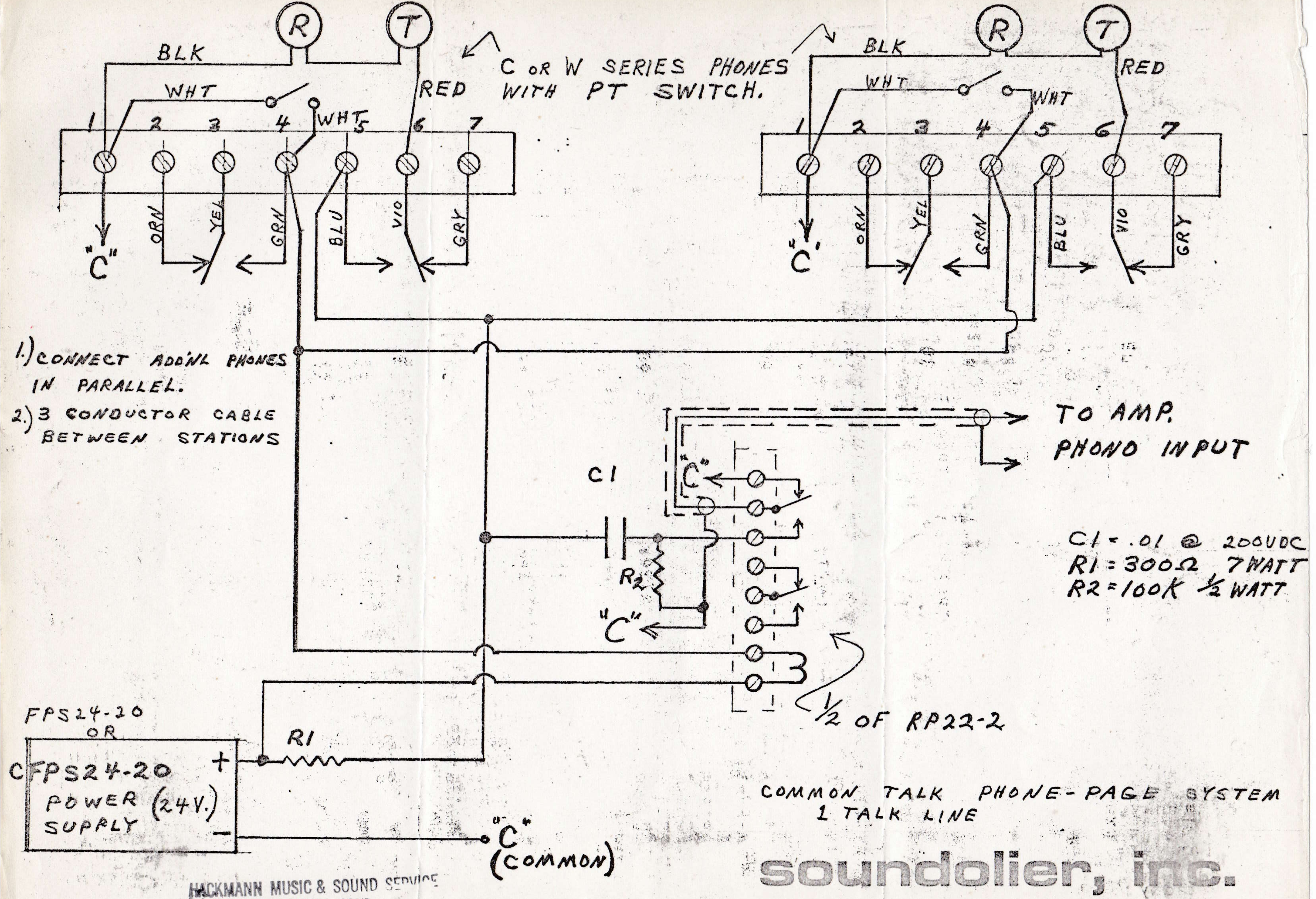
DISTRIBUTOR COST Add $1.50 to distributor price of Masking Assembly ordered.

These options are available on the following Soundolier Masking Models: M81, M82, M83, M84, M85, M86, M87, M88, M89, M41, M42, M43, M44, M45, M46, M47, M48, M49.

ELECTRONIC EQUIPMENT CABINETS AND ACCESSORIES

Description	**Model or Series**	**Specifications**
Cabinet Relay Racks	**100 Series**	Standard 19" Rack Panels
" " "	**110 Series**	Optional front door
" " "	**TMR Series**	Tapped mounting rails
Transmitter Racks	**200 Series**	Standard 19" Rack Panels
Sectional Wall Cabinet	**300 Series**	Standard 19" Rack Panels
Blank Rack Panels	**S19 Series**	16 ga. CRS, formed edges
" " "	**A19 Series**	1/8" Aluminum

(list additions below)


R
T
BLK
WHT
RED
WHT
1
2
3
4
5
6
7
"C"
ORN
YEL
GRN
BLU
VIO
GRY
C OR W SERIES PHONES WITH PT SWITCH.
TO AMP. PHONO INPUT
C1
R2
R1
"C"
1/2 OF RP22-2
+
−
"C" (COMMON)

1.) CONNECT ADD'NL PHONES IN PARALLEL.

2.) 3 CONDUCTOR CABLE BETWEEN STATIONS

C1 = .01 @ 200VDC
R1 = 300Ω 7WATT
R2 = 100K ½ WATT

FPS24-20
OR
CFPS24-20
POWER (24V.)
SUPPLY

COMMON TALK PHONE-PAGE SYSTEM
1 TALK LINE

HACKMANN MUSIC & SOUND SERVICE
1127 LESLIE BLVD.
JEFFERSON CITY, MO. 65101

soundolier, inc.

9380 Watson Industrial Park St. Louis, Missouri 63126
MANUFACTURERS OF COMMERCIAL SOUND ACCESSORIES

*EZ MOUNT SPEAKER PACKAGES

*(Pat. Pending)

EZFD70(25)W EZHD70(25)W
EZSV1-7K(2K) EZSV1-7S(2S)

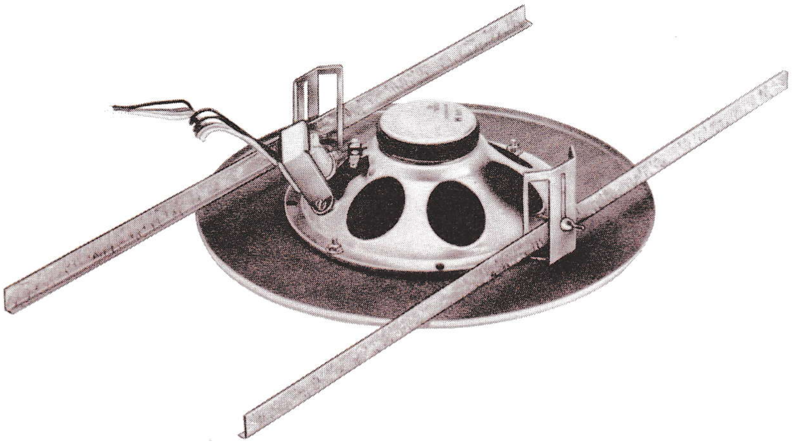
NEW PRODUCT

soundolier

Soundolier announces a new quick mounting system for preassembled speaker packages. This exclusive mounting system is designated EZ Mount (pat. pend.).

The Soundolier EZ Mount design allows quick and easy installation of preassembled packages for those jobs not requiring a back box. Labor savings of one-half to one-third can be attained when using this unique technique. All hardware is provided packaged with the EZ Mount speaker packages.

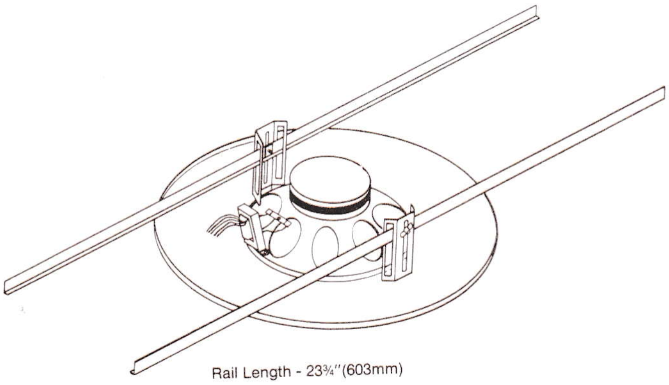
We are making this EZ Mount system available on the most popular FD, HD and SV Series Soundolier Speaker Packages.



EZFD70(25)W

Model Number*	Description
EZFD70W	FD70W with EZ Mount
EZFD25W	FD25W with EZ Mount
EZHD70W	HD70W with EZ Mount
EZHD25W	HD25W with EZ Mount
EZSV1-7K	SV1-7K with EZ Mount
EZSV1-2K	SV1-2K with EZ Mount
EZSV1-7S	SV1-7S with EZ Mount
EZSV1-2S	SV1-2S with EZ Mount

*(Other Packages with EZ Mount - Consult factory for pricing and models).



Rail Length - 23¾"(603mm)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker package shall be Soundolier model number ____________ or approved equal. It shall incorporate the Soundolier EZ Mount system and shall be capable of transferring the loudspeaker package weight to the ceiling system support rails.

FD SV, HD LINE TRANSFORMER SPECIFICATIONS

Primary Volts — 70.7(25*)
Secondary — 8 ohms
Core Size — ⅝" x ⅝"(16x16mm)
Taps — C, ½, 1, 2, 5
Power — 5 watts
Leads — Color coded, stripped & tinned
Specify voltage when ordering.

FD/SV* SPEAKER SPECIFICATIONS

Size — 8"(203mm)
Magnet Weight — 5.0 oz.(142g)
Magnet Material — Ceramic
V.C. Diameter — ¾"(19mm)
V.C. Impedance — 8 ohms
Flux Density — 9200
Sensitivity — 96 db
Watts (PROGRAM) — 15
Freq. Response — 30Hz-15KHz
Max Diameter — 8⅛"(206mm)
Depth — 2 11/16"(68mm) (without transformer)

HD SPEAKER SPECIFICATIONS

Size — 8"(203mm)
Magnet Weight — 10.0 oz.(284g)
Magnet Material — Ceramic
V.C. Diameter — 1"(23mm)
V.C. Impedance — 8 ohms
Flux Density — 10,000
Sensitivity — 100 db
Watts (PROGRAM) — 15
Freq. Response — 30Hz-15KHz
Max Diameter — 8⅛"(206mm)
Depth — 3"(76mm) (without transformer)

**The SV Series incorporates a 50 ohm screwdriver adjust or knob adjusted volume control wired in the speaker voice coil/transformer secondary circuit.*

SL 1275
Printed in U.S.A.

soundolier DIVISION OF AMERICAN TRADING AND PRODUCTION CORPORATION
9380 WATSON INDUSTRIAL PARK / ST. LOUIS, MO 63126, U.S.A. / (314) 962-9870 / TWX 910-760-1650

Even though we make every effort to avoid errors, we reserve the right to correct typographical, photographic, clerical or printing errors, and to change specifications to improve products and/or manufacturing methods

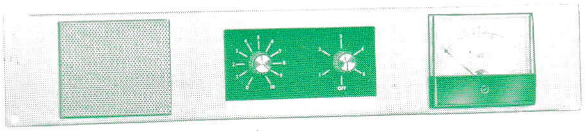
MONITOR and POWER PANELS

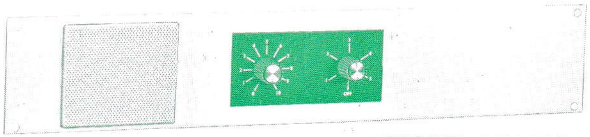
STANDARD 19" RACK PANELS

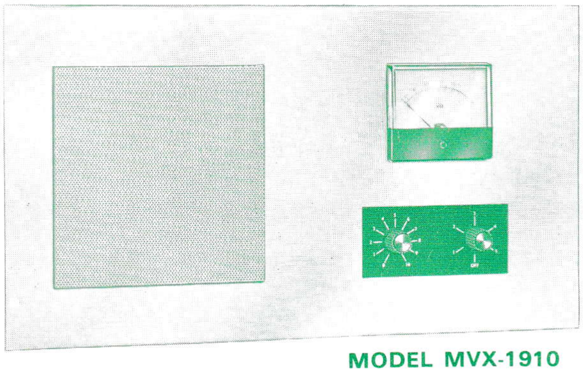
MONITOR PANELS / MVX-193
MX-193
MVX-1910
MX-1910
POWER PANELS / ACR-193
ACK-193

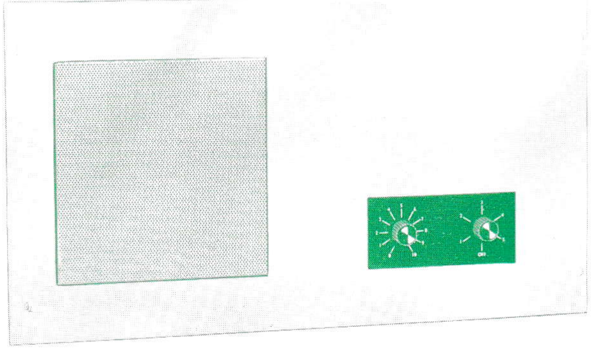
SECTION
W

soundolier, inc.


MODEL MVX-193


MODEL MX-193


MODEL MVX-1910


MODEL MX-1910

SPECIFICATIONS

MONITOR PANELS	MVX-193	MX-193	MVX-1910	MX-1910
Channels:	5	5	5	5
Monitor vol. cont.:	yes	yes	yes	yes
Loudspeaker size:	3"	3"	8"	8"
VU meter:	yes	no	yes	no
Meter adjust:	yes	no	yes	no
Size (panel):	19" x 3½"	19" x 3½"	19" x 10½"	19" x 10½"
Material:	CRS	CRS	CRS	CRS
Termination:	Screw	Screw	Screw	Screw
Finish:	Grey hammertone or any standard color in your current Soundolier price list			
Weight:	3¾ lbs	3½ lbs	6½ lbs	6 lbs

Model MVX-193

The model MVX-193 monitor panel is a compact (3½") CRS panel and is designed to be used with any multi-channel commercial or industrial sound system. It will provide acoustical and visual monitoring instantly with the turn of a switch. A double pole, six position switch with an attractive brushed aluminum inlay knob is wired to supply five different program channels with a sixth "off" position. Each channel conveniently connects to two screw terminals on the rear of the panel to provide balanced switching. All wiring to the external terminals is completed at the factory. Either a 70 volt or 25 volt line may be monitored. The monitor channel switch is conveniently mounted on a black plate with attractive white silk screened nomenclature and then is separately mounted to the panel. Through this arrangement, a free choice of colors to match any system is available.

A 3" speaker with transformer is used for aural monitoring. The speaker is connected through a continuous rotation potentiometer for proper level selection in monitoring. The control is mounted on the same plate as the channel selector switch. The speaker grille is attractively raised and contributes handsomely to the modern look of the entire unit.

The VU meter is recessed in the panel and provides a clean, crisp appearance. A long life black thermoplastic case blends well with the black selector switch, volume control inset. A rear adjustment provides the capability to set the meter at a 0 db level on a 70 volt or 25 volt line. A zero adjust on the face of the meter completes its flexibility.

Since the switch and control panel is a separate plate, any electronic equipment cabinet color may be selected. See the complete color list in the cabinet section of your Soundolier price list. If a color is not specified, Soundolier grey hammertone will be used. A set of instructions is provided with each unit.

Model MX-193

The model MX-193 is identical with the model MVX-193 except the VU meter is not provided. All other specifications remain the same.

Model MVX-1910

The model MVX-1910 is identical with the MVX-193 except the panel is 10½" high instead of 3½" high. In addition, the monitor speaker is an 8" unit rather than a 3" unit. All other specifications remain the same.

Model MX-1910

The model MX-1910 is identical with the MVX-1910 except a VU meter is not provided. All other specifications remain the same.

Architects' and Engineers' Specifications

A Soundolier model MVX-193 (MVX-1910, MX-193, MX-1910) or approved equal shall be provided. The panel shall have provisions for monitoring five channels aurally or visually. It shall have a 3" speaker (8" speaker) capable of monitoring aurally a 70 volt or 25 volt line. It shall have an easily accessible volume control. (For MVX-1910 and MVX-193 only). It shall have a long life VU meter with the capability of a 0 db adjust on a 70 volt or 25 volt line. It shall also have a "zero adjust" on the face of the meter.

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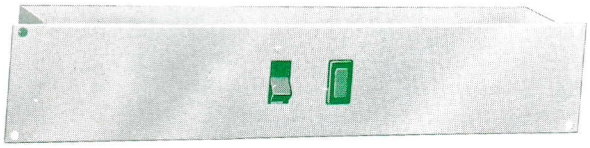
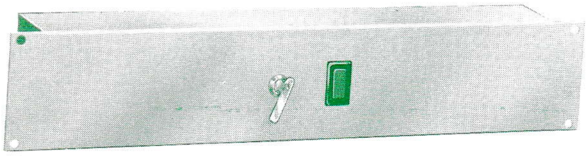
TELEX 44-865



MODEL ACR-193

Model ACR-193

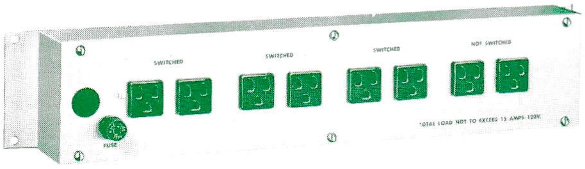
The model ACR-193 master power panel is designed to provide a single switch which controls all AC power in any industrial or commercial sound system. The main switch is a DPST rocker type and is capable of switching both sides of the power line. A red jewel, long life, neon pilot lite indicates visually whether the AC power is on or off. Eight AC outlets are provided—with six controlled by the main switch and the remaining two uncontrolled. Each outlet is grounded (3 contacts). A 15 amp fuse is included. A hole is provided for the connection of ½″ conduit to the rear of the panel. All wiring is completed at the factory. Almost any finish is available (see the cabinet section of your current Soundolier price list.) If the finish is not specified, Soundolier grey hammertone will be used. An instruction sheet is provided with each unit.



MODEL ACK-193

Model ACK-193

The model ACK-193 is identical to the model ACR-193 except for the use of a DPST key switch. This prevents unauthorized personnel from turning the entire system off or on. Two keys are provided with each unit. All other specifications remain the same.



BACKVIEW ACR-193, ACK-193

SPECIFICATIONS

MASTER POWER PANEL	ACR-193	ACK-193
Panel rating:	15 amp	15 amp
Switch rating:	15 amp	15 amp
Outlets switched:	6	6
Outlets unswitched:	2	2
Pilot lite:	yes	yes
Size (panel):	19″ x 3½″	19″ x 3½″
Shipping weight:	7 lbs	7 lbs
Finish:	Same as monitor panels	

Architects' and Engineers' Specifications

A Soundolier model ACR-193 (ACK-193) heavy duty master AC control panel or approved equal shall be provided. Each panel shall be equipped with a visual indication of power through a red neon lite. Eight outlets shall be provided. Two shall be unswitched while six shall be switched. A 15 amp fuse shall be used. Provisions shall be made for the connection of ½″ conduit.

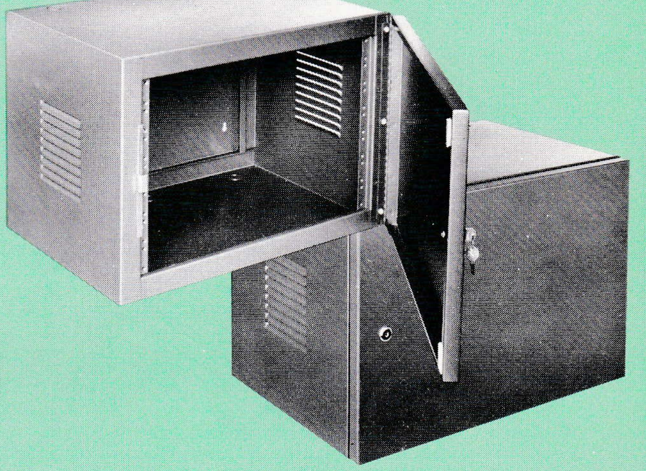
(For ACR-193 only) A DPST rocker switch shall control the main AC power and shall switch both sides of the line.

(For ACK-193 only) A DPST key lock switch shall control the main AC power and shall switch both sides of the line.

NEW

Soundolier Cabinet Accessories

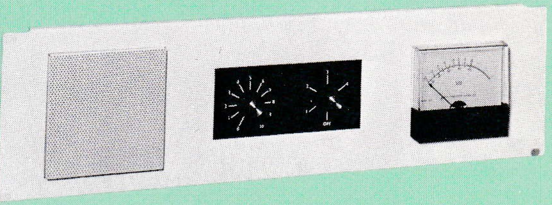
Soundolier has expanded its comprehensive line of cabinet accessories to include a wall mounted cabinet, and three new 19″ rack panel mounted accessories—A monitor panel with a 4″ high compliance speaker, 10″ and 12″ amplifier shelves, and a handy desk panel.



WALL MOUNTED CABINET with locking front door

600-12 WALL MOUNTED CABINET—with locking front door

The new 600-12 wall mounted cabinet is constructed of 16 gauge C.R.S. and is designed for "surface mount" installations accommodating 19'' panel equipment. Panel space is 12⅜''. As a standard feature, the 600-12 comes completely assembled with a locking front door. Twelve 10-32 X ⅝'' panel mounting screws are provided for equipment panel and accessory mounting. The standard finish, unless otherwise specified, is Soundolier baked gray hammertone. An ideal unit for accommodating amplifiers, tuners, and their associated equipment. And the price is right too! Weight 45 lbs.

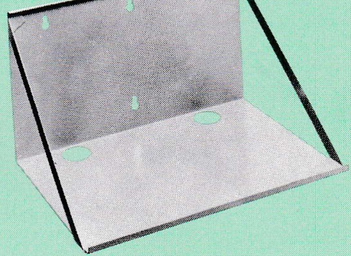


MONITOR PANEL with high compliance 4" speaker

MVX-195 MONITOR PANEL—with high compliance FC-104 4" speaker and HT-82 transformer.

The MVX-195 monitor panel is designed for use with any multi-channel commercial or industrial sound system. One of the new features includes our FC104 4+ high compliance speaker for better aural monitoring. The superior sound quality of the FC104 with its damped high compliance cone provides excellent low frequency reproduction, as well as very smooth extended response over the 60Hz to 18KHz range. The MVX-195 also employs a high quality Soundolier HT-82 line transformer.

The MVX-195 provides 5 channel acoustical and visual monitoring plus "off" position. Either a 70.7 or 25 volt line may be monitored. The monitor channel switch and volume control are mounted on a black plate with white silk screened nomenclature. The VU meter is recessed, and has a zero adjust. Speaker: FC104 high compliance 4'', 10 oz. ceramic magnet; Frequency response 60Hz to 18KHz; Impedance, 8 ohms; Power, 10 watts program; Voice Coil Diameter, 1''; Sensitivity, 93 db (SPL at 4' with 1 watt input); Resonance, 85Hz; Dispersion angle, 90°; Flux density, 10,500 Gauss. Transformer: High quality HT82; 25 volt; Power rating, 8 watts; Frequency response, ± 1 db at 50Hz to 15KHz; Insertion loss, 6 db. Speaker grille is 22 Ga. C.R.S. perforated with 1/16'' diameter holes on 3/32'' staggered centers. The monitor panel is 16 guage C.R.S. formed and punched with studs welded in place and is available in standard Soundolier cabinet colors. Zinc plated subplate is 18 Ga. C.R.S. Weight 6½ lbs. The MVX-195, a high quality monitor panel at an affordable price.

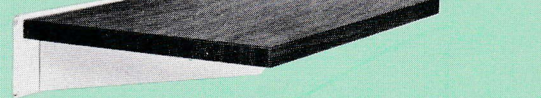


AMPLIFIER SHELVES in 10" and 12" sizes

AS-100 & AS-120 AMPLIFIER SHELVES

AS-100 shown

For installations requiring the mounting of amplifiers, TV receivers or other electronic equipment on existing walls, Soundolier's cabinet accessory line now includes two amplifier shelves for this requirement. Model AS-100 is 14¼'' x 10 3/32'' x 7 15/16'' and model AS-120 is 20'' x 12½'' x 10''. Both shelves are constructed of 16 gauge C.R.S. and are finished in standard Soundolier colors. AS-100; 6 lbs; AS-120, 11 lbs.



DESK PANEL with walnut grain writing shelf

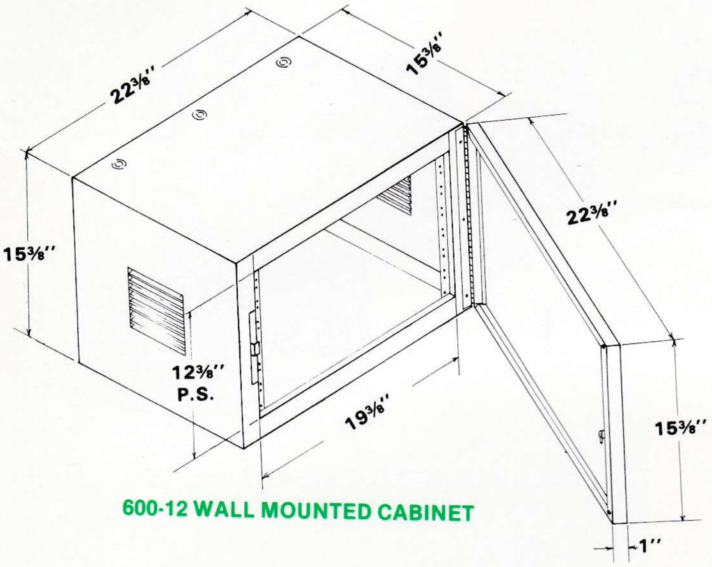
DK19-3 DESK PANEL

The DK19-3 desk panel is designed to fit cabinets with 19'' panel mounting rails. This is an attractive unit which features a walnut grain formica covered particleboard shelf. The brackets and panel are furnished in standard Soundolier cabinet colors, and constructed of 16 Ga. C.R.S. spotweld construction. Four panel mounting screws are supplied with the desk panel. Actual weight—7 lbs.

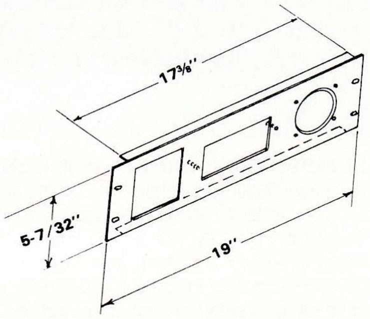
Large selection, quality construction and competitive pricing from

soundolier, inc.

These new items are available in standard Soundolier cabinet colors and have the same quality construction and materials you expect from Soundolier.

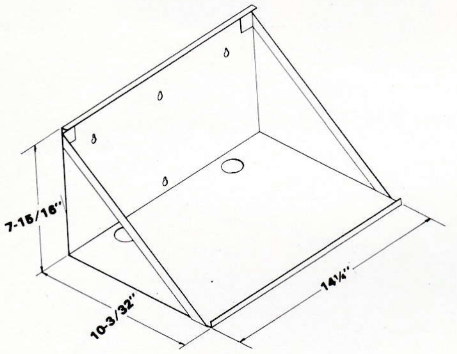

22⅜″
15⅜″
15⅜″
22⅜″
12⅜″
P.S.
19⅜″
15⅜″
1″

600-12 WALL MOUNTED CABINET

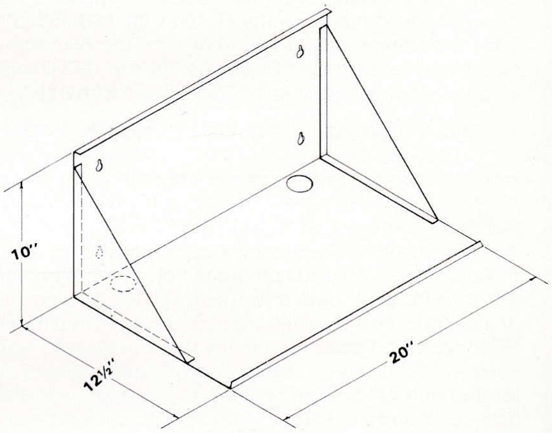


MVX-195 MONITOR PANEL

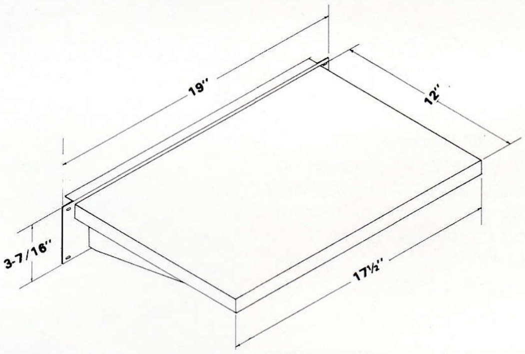
AMPLIFIER SHELVES


7-15/16″
10-3/32″
14¼″

AS-100



AS-120


19″
12″
3-7/16″
17½″

DK19-3 DESK PANEL

**For more information on Soundolier's Electronic Cabinet line, call us collect.
Your requests for literature will be given prompt attention.**

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TWX 910-761-1650

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soundolier®

Visual Nurse Call System

FEATURES
- LATEST SOLID STATE COMPONENTS
- DECORATIVE STYLING
- QUICK CONNECT TERMINATIONS
- ALL REMOTE STATIONS ON STANDARD ONE GANG WALL PLATES

Soundolier's Visual Nurse Call System has a variety of features making it simple to design and install patient-nurse communication systems. Master Control Consoles are available in either desk or recessed wall versions. Visual annunciator panels are available in modules of ten lamp indicators. Up to four visual annunciator panels may be installed in the master consoles allowing convenient assembly of up to 40 room indicator lamp assemblies. Since all indicator lamps are LED, long life and low current drain are assured.

Single and dual bedside stations are assembled to one gang stainless steel wall plates thus requiring one gang E.O. wall boxes for the entire system, regardless of system configuration.

Corridor and Zone lights are wired and assembled to one gang stainless steel wall plates with injection molded translucent lens. Corridor lights are available with one, two or three lamps. Zone lights have two indicator lamps. Incandescent lamps are used for all Corridor and Zone light assemblies for maximum light intensity.

A 24 VDC power supply and separate audio visual control module complete the component modules needed for a complete system installation.

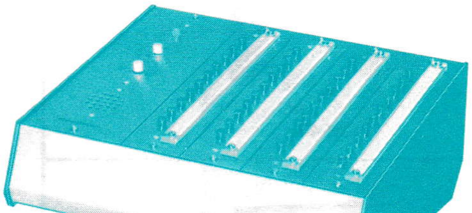
MASTER STATIONS (Models MVD-40 and MVW-40)

Models MVD-40 and MVW-40 are desk and wall versions respectively of the master stations for the visual nurse call system. Each includes the audible signalling circuitry, lamp test switch, audible signal level switch and power indicator lamp. There are module ports in which up to four room annunciator modules (model VAM-10) may be installed. The desk housing (model MVD-40) is constructed of rugged cold rolled steel painted light beige with contrasting dark bronze end panels and brushed stainless steel panel for the audible signal and lamp test controls. A perforated opening for the piezo signalling device assures maximum transmission of sound pressure level. All electronic components are mounted to a printed circuit board with captive screw terminals for power and signal connections and with quick connect plug for lamp power connection.

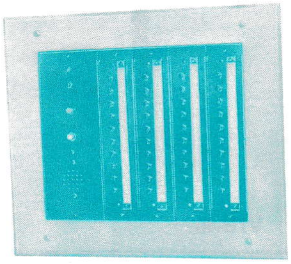
The wall master station (model MVW-40) is constructed of a rugged cold rolled steel mounting frame with light beige paint finish and brushed stainless steel panel for the audible signal and lamp test controls. Like the desk version, it also has ports for installing up to four room annunciator modules (model VAM-10). An optional recessed cold rolled steel enclosure (model MVW-4E) has provisions for mounting the MVW-40 master wall station.

ROOM ANNUNCIATOR MODULE (Model VAM-10)

The VAM-10 Room Annunciator Module consists of a brushed stainless steel panel with room indicator lamps (LED's) for visual call-in signalling. Unit has 10 indicator lamps with associated plexiglass strip for room number listing. An integral printed circuit board employs captive screw terminals for field connection of room wiring or for connection of cable run from optional terminal box (model VTB-40). Also included is a quick connect plug for lamp power connection.



MVD-40 (Shown with 4 VAM-10 modules)



MVW-40 (Shown with 4 VAM-10 modules)

VAM-10 Module

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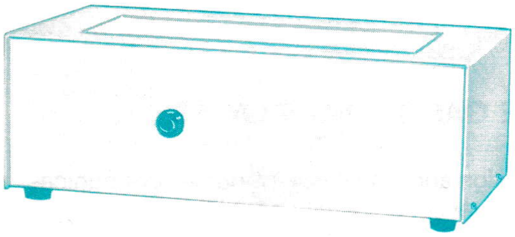
soundolier VISUAL



VPS-24

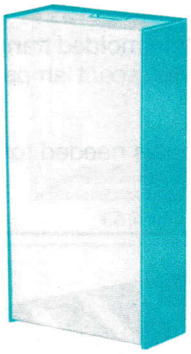
SYSTEM POWER SUPPLY (Model VPS-24)

Power for the visual nurse call system is supplied by model VPS-24. The unit is housed in a rugged steel housing painted light biege. A fused output provides maximum security against system overloads. Input circuitry with circuit breaker allows quick resetting of AC line power. Barrier strip termination of 24 VDC power output prevents accidental shorting.

Specifications

Input Voltage: 117 VAC, 60 Hz
Input Circuit Protection: Circuit Breaker
Input Termination: 6 ft. cord, 2 conductor with ground
Output Voltage: 24 VDC, 3 Amps
Output Circuit Protection: Fuse, 3 Amps
Output Termination: 3 point barrier strip w/screw terminals

Housing: Cold Rolled Steel
Finish: Beige Paint
Size: 10⅞"W x 3⅞"H x 6"D



VCM-40

AUDIO VISUAL CONTROL MODULE (Model VCM-40)

Model VCM-40 Audio Visual Control Module contains the necessary electronics for controlling the audible and visual NORMAL and EMERGENCY signals. The NORMAL signal consists of an intermittant signal of 3-4 second duration. The EMERGENCY signal is a series of rapid intermittant audible and visual signals. Unit is housed in a cold rolled steel housing painted light beige with contrasting dark bronze side and rear panels. Will handle up to forty remote station assemblies. All terminations are captive screw terminals.

Size: 4½"W x 9"H x 2⅛"D

VTB-40

TERMINAL BOX (Model VTB-40)

Model VTB-40 is an optional terminal box for terminating all room wiring for consolidation prior to wiring to master station. Unit incorporates five 12 point in and out captive screw terminal assemblies. Integral in and out cable clamps and keyway wall mounting holes complete the versatility of the assembly. Easy lift off cover is secured by two 8-32 screws. The cover is finished in light beige paint with contrasting dark bronze housing. Construction is rugged cold rolled steel throughout.

Size: 6½"W x 12"H x 1½"D

MP-1

MASTER PANEL BLANKS (Model MP-1)

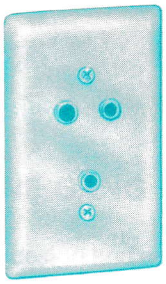
Model MP-1 is a blank panel for covering any unused room annunciator ports in the master console. Unit is manufactured of brushed stainless steel to match the other control module panels in the master console.

Size: 2"W x 9½"H

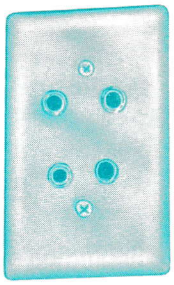
NURSE CALL SYSTEM

BEDSIDE STATIONS (Models VRM-101, VRM-201)

Models VRM-101 and VRM-201 are single and dual bedside stations respectively. Each model is mounted to a one gang brushed stainless steel plate. Units include red LED call indicator, cancel switch and ¼″ phone jack (two phone jacks for VRM-201) for cordset (models CS-6 and OS-6). All components are mounted on printed circuit board. Termination is provided with quick connect plug. Male plug is soldered to PC board. Female plug is provided with 6″ pigtail leads. Silkscreened nomenclature includes "CANCEL", "CALL" and "CORD". Dummy plugs for use when cordset is removed are included.



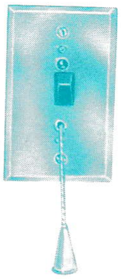
VRM-101



VRM-201

EMERGENCY STATION (Model VEM-101)

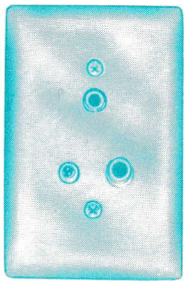
Model VEM-101 is an emergency call-in station mounted to a one gang brushed stainless steel plate. Unit includes red LED call indicator, two position call/cancel slide switch and 6 ft. nylon pull cord. All components are mounted to integral printed circuit board with quick connect plug (male and female provided). Includes silkscreened nomenclature "CALL" and "CANCEL".



VEM-101

STAFF STATION (Model VSM-101)

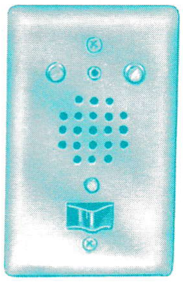
Model VSM-101 is a staff station mounted on a one gang brushed stainless steel plate. Unit includes red LED call indicator, cancel switch and call switch. Components are mounted to printed circuit board with integral male and female quick connect plugs. Silkscreened nomenclature includes "CANCEL", "CALL" and "PUSH TO CALL".



VSM-101

DUTY STATION (Model VDM-101)

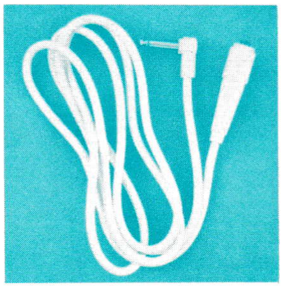
Model VDM-101 is a duty station mounted on a one gang brushed stainless steel plate. Unit includes a green LED for normal call indication and a red LED for emergency call condition. An integral IC tone generator with piezo signalling device provides audible signal indication. A two position HI-LO audible signal level switch is included. Male and female quick connect plugs are provided. Silkscreened nomenclature includes "CALL", "EMERGENCY", "HI" and "LO".



VDM-101

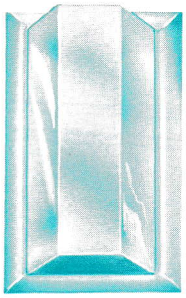
CORDSETS (Models CS-6 and OS-6)

Models CS-6 and OS-6 are call-in cordsets for pushswitch and oxygen tent application respectively. Both models include a 6 ft. cord with integral ¼″ phone plug for use with model VRM-101 and VRM-201 bedside stations.

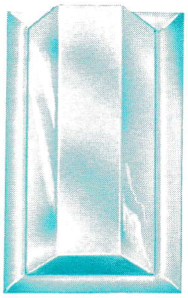


CS-6

OS-6



VL-1, 2, 3



VZ-2

CORRIDOR LIGHTS (Models VL-1, VL-2, VL-3)

Models VL-1, VL-2 and VL-3 are one, two and three light corridor lamp assemblies. Units are mounted to a one gang brushed stainless steel plate. Incandescent lamps are employed to provide the brightest possible corridor visual signalling. Multiple lamp units may be used to provide separate visual indication of normal and emergency calls. A translucent white plastic lens conveniently snaps onto the wall plate. Pigtail leads (6" long) are provided for termination. Optional red filters for lamp bulbs are available (order part number LNS-1R).

ZONE LIGHT (Model VZ-2)

Model VZ-2 is a zone lamp assembly. Unit consists of two lights terminated on printed circuit board. White translucent plastic lens easily snaps onto one gang brushed stainless steel plate. Male and female quick connect plugs are provided. Optional red filters for lamp bulbs are available (order part number LNS-1R).

Soundolier's Visual Nurse Call Systems are guaranteed for one year after date of purchase against defects in components and workmanship. The system is manufactured in the United States in our own electronics plant. US made quality backed by solid Soundolier support; an unbeatable combination.

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QUICKSHIPPERS

from soundolier

We Have Added Some Additional Items To Our QUICK SHIPPER PROGRAM!

SV1-7K PACKAGE
Q408 ENCLOSURE
100-61 #31* CABINET
300-17 #31* CABINET

*Soundolier Light Satin Beige

24-48 HOURS

THE FOLLOWING ITEMS ARE NOW AVAILABLE TO SHIP IN 24-48 HOURS

- 51-8 BAFFLE
- 60-8 BAFFLE
- 95-8 BAFFLE
- 81-8 T-BAR
- FD70W PACKAGE
- C5T70 SPEAKER
- C10T70 SPEAKER
- AT-10 ATTENUATOR
- SV1-7K PACKAGE
- 100-61 #31 CABINET
- 300-17 #31 CABINET
- Q408 ENCLOSURE

IN ORDER TO GUARANTEE FAST SHIPPING, WE ASK THAT YOU DO NOT MIX ANY OF THE ABOVE ITEMS ON AN ORDER WITH PRODUCTS NOT COVERED UNDER THE QUICK SHIPPER PROGRAM.

ALSO, CARTONS MUST BE ORDERED IN EVEN LOTS - NO BROKEN CARTONS.

CALL US COLLECT WITH YOUR QUICK SHIPPER ORDER! (314) 962-9870

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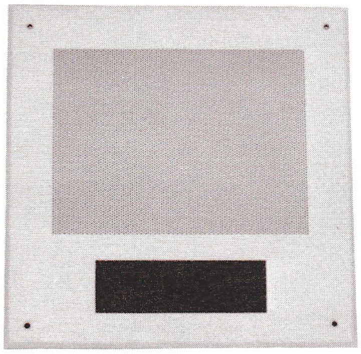
DIGITAL CLOCK BAFFLES

DC162-8
DC162-8SF
DC162-8BDI



DC162-8

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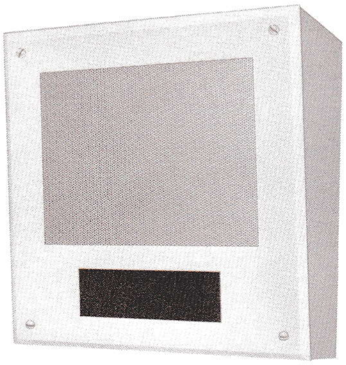
Soundolier's DC162 baffle series is designed to mount an 8″(203mm) cone speaker and the popular Rauland model 2410 and 2420 digital clocks (other digital clock mounts available, mounting requirements must be supplied). Each unit is constructed of 20 ga. CRS with an attractive textured white finish.

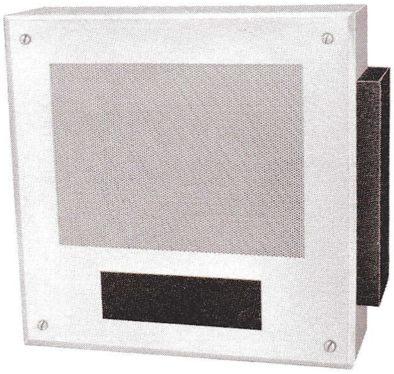
Model DC162-8 is designed for recessed wall installations. Model DC162-8SF is a slope front surface wall baffle. Model DC162-8BDI is a square bi-directional corridor baffle (one speaker, two digital clocks) which mounts to the ceiling or wall.

Soundolier's existing line of analog clock speaker baffles can be modified for digital clock mounting. Consult catalog for desired model and contact factory for specifics.

MODEL	DIMENSIONS	MOUNTS TO
DC162-8	12⅝″(321mm) Sq.	191-78
DC162-8SF	12¾″(324mm) Sq. x 5″(127mm) Deep (top) x 3″(76mm) Deep (bottom)	Wall
DC162-8BDI	12¾″(324mm) Sq. x 4″(102mm) Deep	Wall or Ceiling



DC162-8SF



DC162-8BDI

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BLIND MOUNT CEILING BAFFLES

BMT95-8 enclosure
BMT95-4 enclosure
T51-84 grille

PATENT APPLIED FOR

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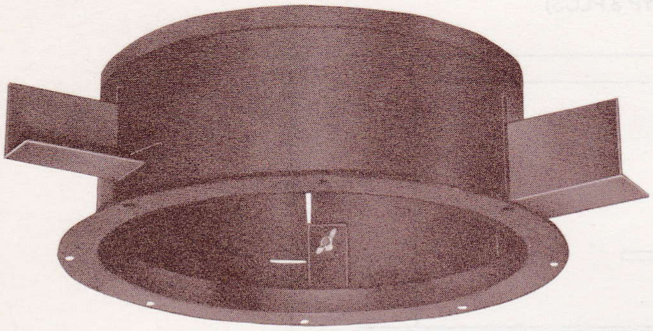


BMT95-8

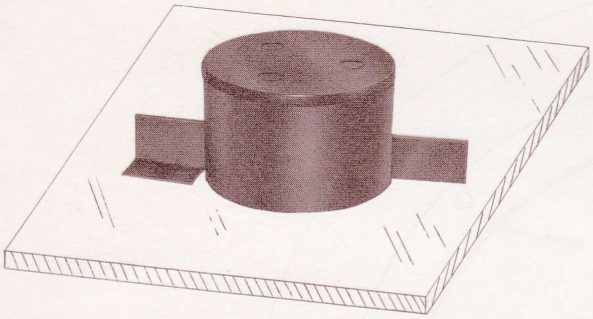
The BMT enclosure system allows easy installation in ceiling systems which do not allow access to the plenum area (such as sheetrock ceilings). All necessary hardware is provided including a unique rail support system (3 rails on BMT95-8, 2 rails on BMT95-4) which telescopes out from inside the enclosure. Enclosures have sound damping material applied inside to prevent metal resonance. Constructed of rugged cold rolled steel, each unit is finished in a protective red prime paint coat. Three ½"(13mm) KO's are provided in enclosure top for cable access.

These enclosures have torsion spring receptacles for quide mounting of speaker grilles. This feature, coupled with the three point rail mounting system will result in major labor savings during installation.

Model BMT95-8 is designed for a wide variety of Soundolier torsion spring grilles for 8"(203mm) speakers.

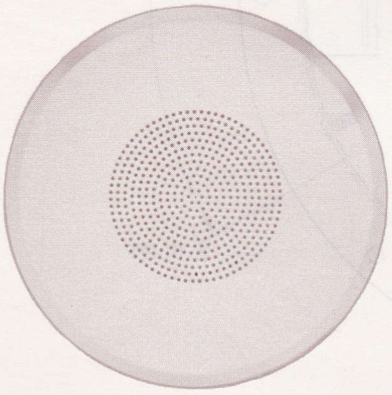
Model BMT95-4 is designed to mount the T51-84 torsion spring grilles for 4"(102mm) speakers.

Model T51-84 is an 8½"(216mm) Dia. cold rolled steel torsion spring grille for 4"(102mm) speaker. It is designed to mount to the BM95-4. Finish is white semi-gloss baked enamel paint.



BMT95-4 (INSTALLED)

MODEL	DIMENSIONS			MOUNTS
	A	B	C	
BMT95-8	11¾" (298mm)	9¾" (249mm)	4¼" (108mm)	T51-8, T60-8, T61-8 T610-8, T710-8, T720-8 TM222, TM222W
BMT95-4	7⅞" (200mm)	6" (152mm)	5" (127mm)	T51-84
T51-84	8½"(216mm) Dia. x 3⁄16"(5mm) Deep			BMT95-4



T51-84

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Enclosure shall be Soundolier Model __________ (BMT95-8, BMT95-4) or approved equal. Unit shall have __________ (three, two) point rail mounting system telescoping out from inside enclosure to provide secure mounting of enclosure to ceiling system. It shall include torsion spring receptacles for quick mounting of appropriate speaker grille. Damping material shall be applied internally for prevention of metal resonance.

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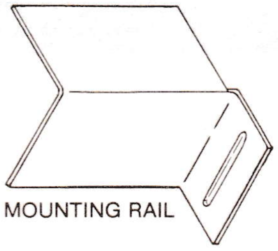
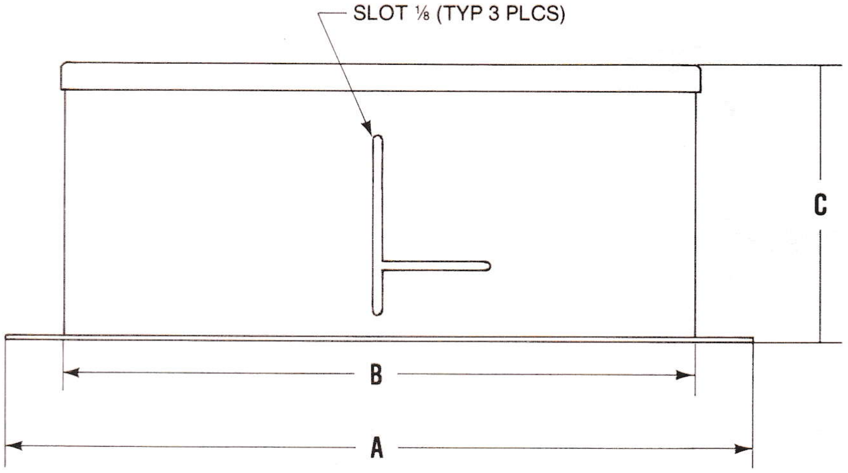
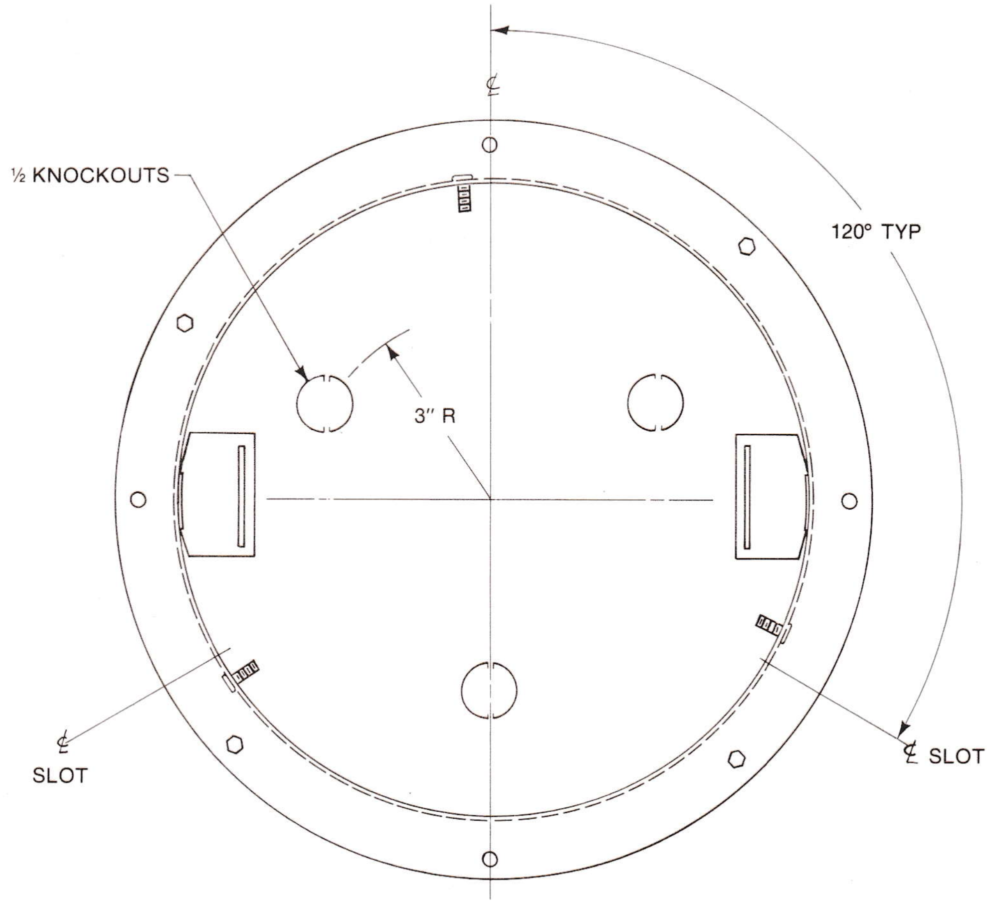

MOUNTING RAIL


SLOT ⅛ (TYP 3 PLCS)
C
B
A


℄
½ KNOCKOUTS
120° TYP
3″ R
℄
SLOT
℄ SLOT

NOTE: Enclosure includes mounting rails (three rails for BMT95-8) (two rails for BMT95-4) extending 2⅝″(67mm) past enclosure exterior.

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ROUND RECESSED STACKABLE ENCLOSURES

CS95-8 / CS95-8NS

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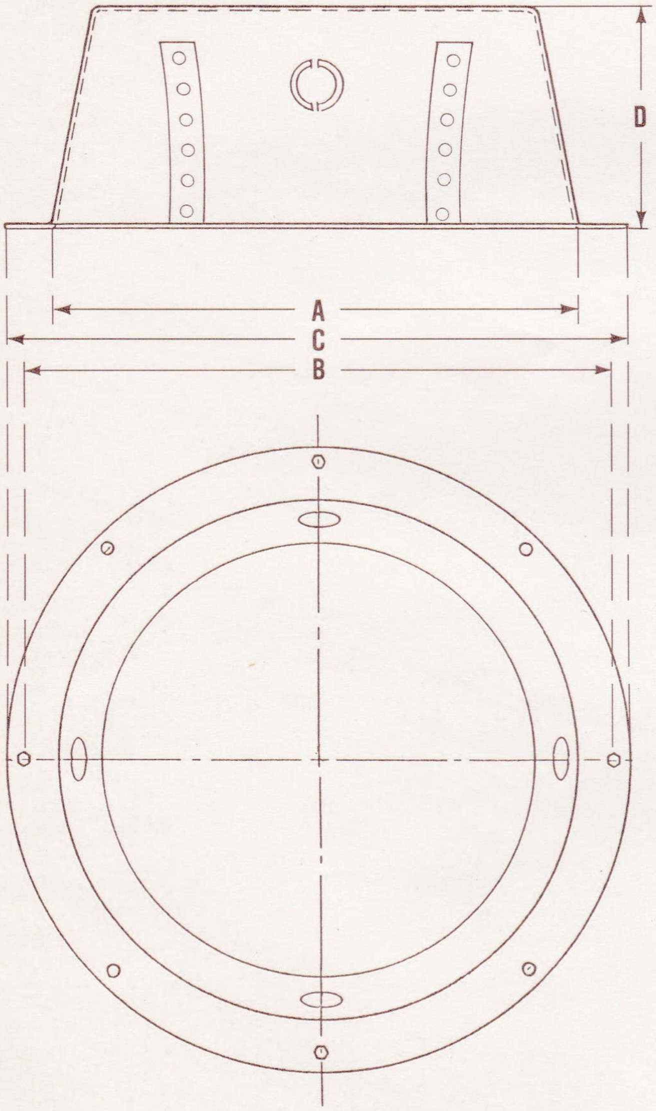
Perforated Strap not included on CS95-8NS.

The CS95-8 and CS95-8NS enclosures are one piece formed protective acoustical enclosures providing convenient stackability allowing reduced inventory space requirements. Heavy gauge steel construction and undercoating eliminate mechanical and acoustical resonances.

Each enclosure is furnished with four combination knockouts ½-¾"(13-19mm) and finished in a rust preventive coating.

The CS95-8 is equipped with 4 flexible perforated straps to facilitate mounting in any type of ceiling construction. Model CS95-8NS is without perforated straps.

The CS95 series enclosures are supplied with 4 J clips for screw mounting of baffles.



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The metal protective enclosure shall be Soundolier Model (CS95-8 or CS95-8NS) ____________ or approved equal. The enclosure shall have 4 8-32 J Nuts installed in mounting flange.

The enclosures shall have 4 combination knockouts ½-¾"(13-19mm) spaced 90° apart and shall be of one piece construction.

The enclosure shall have a rust preventive finish over metal which has been treated with an iron phosphate coating. Interior of enclosure shall be undercoated to prevent mechanical and acoustical resonances.

The enclosure shall mount Soundolier Model ____________ baffle or approved equal.

MODEL	DIMENSIONS A	B	C	D	MOUNTS BAFFLE MODELS
CS95-8, CS95-8NS	9¾" (249mm)	11¼" (286mm)	11¾" (298mm)	4¼" (108mm)	12-8, 15-8, 17-8, 51-8, 60-8, 61-8, 62-8, 63-8, 67-8, 68-8, 165-8, 170-8, G22-8, M222, M222-W, P900, VP60-R

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POWER PANEL WITH BREAKER

ACRL-191

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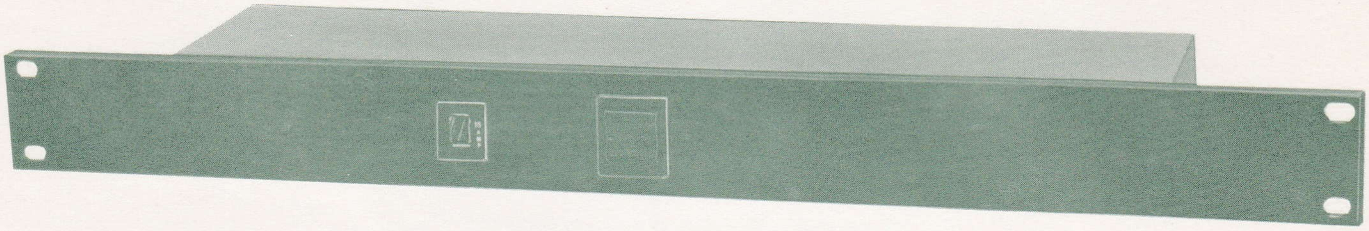

Model ACRL-191 is a power panel requiring 1¾" (44mm) panel space in a 19"(483mm) EIA equipment cabinet. Unit includes integral rocker switch/panel indicator lamp and 15 amp circuit breaker resettable from front of panel. Six convenience outlets are provided on back of housing (5 switched, 1 unswitched). A unique removable wiring panel with integral EO connector/strain relief allows easy connection to internal pigtail power leads.

Unit is assembled to a flat ⅛"(3mm) thick aluminum 19"(483mm) EIA panel. Standard finish is black semi-gloss (color #05) baked enamel paint. Other colors are available.

A complete AC Power Distribution System can be constructed by using the ACRL-191 in conjunction with Soundolier's ACS-1 power strip (see spec sheet #SL1274 for details on ACS-1).

SPECIFICATIONS

Voltage: 117 VAC, 60 Hz
Power Rating: 15 amps
Switch Type: Rocker with integral neon indicator, 15 amp
Outlets Switched: 5
Outlets Unswitched: 1
Size (panel): 19"(483mm) x 1¾"(44mm) (panel space)
Finish: Paint
Power Termination: Three internal pigtails accessable through removable access cover
Circuit Protection: 15 amp breaker, resettable from panel front.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

A Soundolier Model ACRL-191 power panel or approved equal shall be provided. Each panel shall be equipped with an integral rocker switch/neon panel indicator. Six outlets shall be provided, five switched, one unswitched. Circuit protection shall be provided by a 15 amp breaker, resettable from panel front. Power termination shall be via three internal pigtail leads accessed by removable access panel on power panel housing. Unit shall include EO connector/strain relief for proper securing of power cable.

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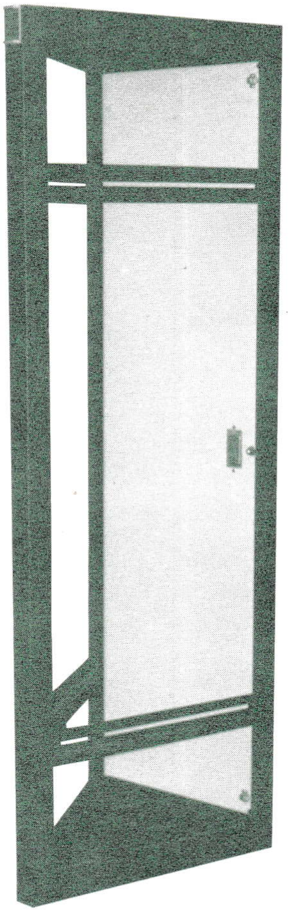
select series

FLOOR CABINET WEDGE SECTIONS

2000-45 SERIES



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> *Soundolier's* **select series** *of 19″ equipment cabinets encompass racks, slope front consoles, turrets, wedge sections and a full line of customizing accessories. Because this series is modular in concept, all possible combinations cannot be shown. However, enough examples are shown to complete any installation. See SL1231 and SL1246 for an overall view of the series. For more ordering information see SL1236A.*

Model Nos. 2036-45, 2042-45, 2061-45, 2070-45, 2077-45

BASIC UNIT CONSISTS OF:

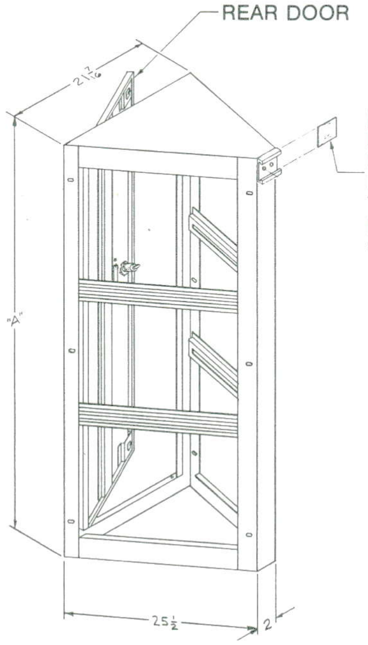
- Frame
- Top Panel
- Base
- Horizontal Aluminum Trim
- Rear Door

BASIC UNIT ALSO REQUIRES (order separately).

- Decorative Insert Panel

GENERAL:

The 2000-45 Series wedge sections are designed to accommodate corners in modular installations for the **select series** floor cabinets. All wedge sections have no actual panel space but have open sides for wiring access between adjoining units. Two 45 degree wedge sections must be used to accomplish a 90 degree corner. Wedge sections are made of 16 gauge CRS. Frames are all painted textured flat black baking enamel. As on all Soundolier **select series** products you have a choice of two standard colors for top and rear door: Royal Blue (color #35) or Satin Beige (color #31), suffix model number with color choice. Other colors are available but require additional lead time. Four colors of decorative insert panels are available for wedge sections: black, teakwood, brick orange and royal blue. See decorative insert panel chart for model numbers. If no color is specified black insert panel will be sent.



DECORATIVE INSERT PANELS. ONE REQUIRED PER WEDGE
BK2-45 BLACK
TK2-45 TEAK
RB2-45 BLUE
OR2-45 ORANGE

MODEL NO.	PANEL SPACE	OVER-ALL HEIGHT "A"
2036-45	36⅞″	42⅞″
2042-45	42½″	48⅛″
2061-45	61⅜″	67⅜″
2070-45	70⅛″	76⅛″
2077-45	77⅛″	83⅛″

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

NOTE:
Wedge sections are to be used with other Soundolier select series floor cabinets. When ordering modular installations of 2000 Series Cabinets, use the following statement: Modular installation is to have a ____________________ (specify 45 or 90 degree corner).

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600 OHM IMPEDANCE MATCHING TRANSFORMER

LT600-VC

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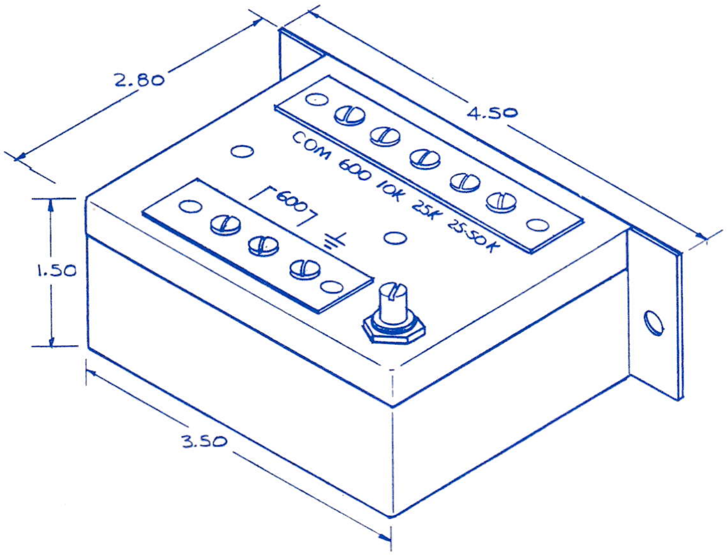


LT600-VC

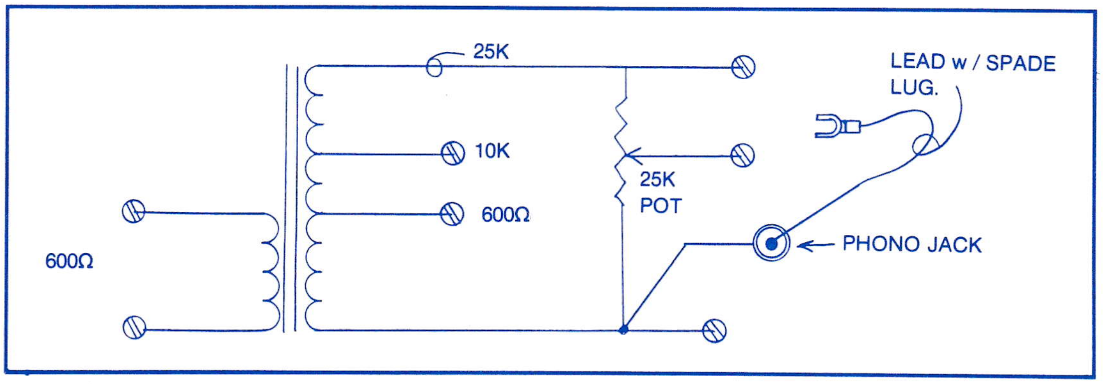
Model LT600-VC is a versatile impedance matching transformer for matching telephone type 600 ohm line circuits with HI-Z circuits. It can also be used as a 600 ohm to 600 ohm isolation transformer. A built in pot provides optional adjustability for the 25K output level. The convenient lead with spade lug allows easy selection of operational mode. The 600 ohm input may be matched to 600 ohm, 10K ohm and 25K ohm circuits.

The unit is housed in a rugged steel enclosure providing the necessary shielding from induced hum. A phono jack is provided on the output side for easy connection to amplifier imputs or other circuitry.

SPECIFICATIONS

Input Impedance: 600 ohms
Output Impedance: Selectable 600, 10K, 25K ohms
Transformer Core Size: ⅜"(10mm) square
Frequency Response: 60 HZ-12 KHZ

LT600-VC Schematic



SL 1310
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AMPLIFIED TELEPHONE PAGING SPEAKERS

FDA-5W
FDA-5SF

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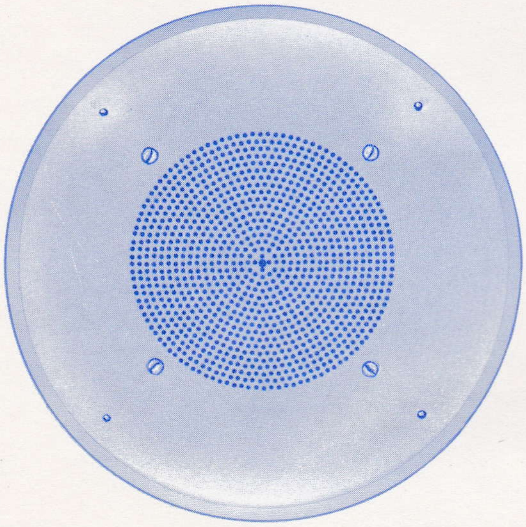
FDA-5SF



FDA-5W

Soundolier's FDA Series is an amplified paging speaker assembly utilized for telecommunication paging functions. When used with a PABX or 1A2 Key System incorporating a paging adapter, a complete paging system may be quickly assembled (24 VDC required for power) using standard telephone cable.

Each unit is complete with 8"(203mm) speaker, baffle and 5 watt IC amplifier with integral volume control. The amplifier is designed to operate on a 600 ohm line (24 VDC required).

Model FDA-5W is completely assembled to 12¾" (324mm) Dia. white steel grille for recessed ceiling mounting. Model FDA-5SF is completely assembled within an attractive walnut slope front wood wall baffle for easy wall surface mounting.

SPECIFICATIONS

Speaker

Size: 8"(203mm) Round, Cone Type
Magnet Wt.: 5 oz. ceramic
Voice Coil: 8 ohm
Sensitivity: 96 db
Power Handling: 15 watts (Program)
Freq. Response: 30Hz-15KHz

Amplifier

Type: IC
Power Output: Adjustable 0-5 watts at 1000 Hz
Freq. Response: 300Hz-15Khz ± 2 db
Hum and Noise: 67 db below rated output
Distortion: Does not exceed 5% THD at rated output, 1KHz
Sensitivity: 32 mv at full rated output
Impedance: Designed for 600 ohm circuits
Power Requirements: -24 VDC, 415 ma ± 25 at rated output; 75 ma ± 10 at idle

Speaker Baffle

	Baffle Type	Dimensions	Mounts To
FDA-5W:	Round, Recessed, Ceiling	12¾" Dia. (324mm)	95-8, 96-8 95-8-5, 96-8-5 95-8-7, 96-8-7 95-8-10, 96-8-10 199-8, Q408 Wall
FDA-5SF:	Sloped Front Wall	9½"W 10¾"H 5"D (top) 4⅛"D (bottom)	

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Telecommunications paging speaker shall be Soundlier model ______________ (FDA-5W, FDA-5SF) or approved equal. Unit shall have integral 8"(203mm) loudspeaker, volume control and 5 watt IC amplifier preassembled to __________ (round recessed ceiling, sloped front wall) speaker baffle. Unit shall operate at 24VDC.

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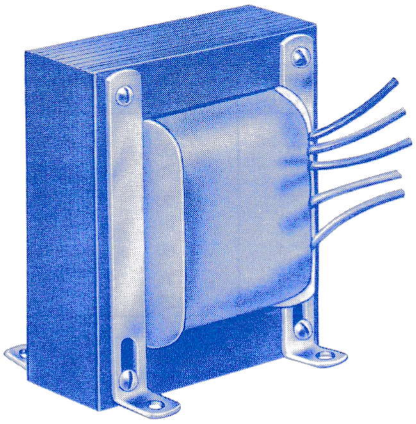
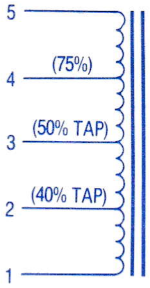
140 WATT AUTO TRANSFORMER



Does this sound familiar?

- **100 watt amplifier with 8 ohm output, but you need a 70.7 volt constant voltage system**
- **70.7 volt system with most speakers at 1 watt, but you need to drive two 8Ω speakers at 50 watts**
- **Amplifier with 8 ohm output, but you need to drive four 8 ohm speakers connected in parallel**

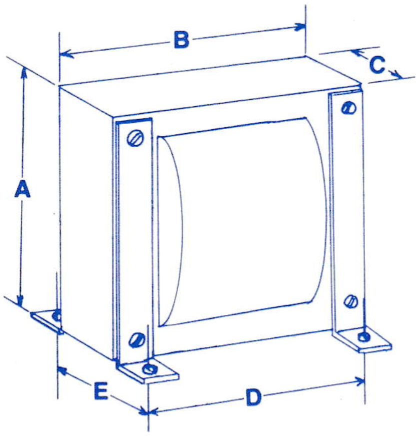
AF-140
SCHEMATIC



Then Soundolier's new updated AF140 Auto Transformer can help you

If any of the above strikes a tone of familiarity then you will appreciate Soundolier's new updated AF140 autotransformer. We have added an additional impedance tap to expand its' versatility.

As you review the following specifications and application examples, we think you will agree the AF140 just may be the "blackbox" you need to solve these "headscratching" problems.



140 WATT AUTO TRANSFORMER

SPECIFICATIONS					
MODEL NO.	FREQUENCY RESPONSE	INSERTION LOSS	TERMINATIONS	CORE SIZE	POWER RATING
AF-140	± 1 db - 30Hz-15KHz	.3db	6"(152mm) Color Coded Leads	$1\frac{3}{8}$" x $1\frac{3}{8}$" (35mm x 35mm)	140 WATTS

DIMENSIONS						
MODEL NO.	A	B	C	D	E	WEIGHT
AF-140	$4\frac{1}{8}$"(105mm)	$3\frac{7}{16}$"(87mm)	$1\frac{3}{8}$"(35mm)	$2\frac{3}{4}$"(70mm)	$2\frac{3}{8}$"(60mm)	4.5 lbs. (2.04kg.)

See application examples on back.

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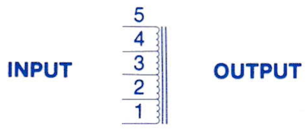
soundolier® 140 WATT AUTO TRANSFORMER

TABLES OF CONNECTIONS FOR AF140 AUTO TRANSFORMER

STEP UP **MODEL AF140**

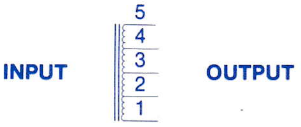

5
4
3
2
1
INPUT
OUTPUT

INPUT TAPS	OUTPUT TAPS	TURNS RATIO	VOLTAGE RATIO	IMPEDANCE RATIO
1 & 2	1 & 3	1:1.25	1.25	1.56
1 & 2	1 & 4	1:1.88	1.88	3.52
1 & 2	1 & 5	1:2.50	2.50	6.25
1 & 3	1 & 4	1:1.5	1.5	2.25
1 & 3	1 & 5	1:2.0	2.0	4.00
1 & 4	1 & 5	1:1.33	1.33	1.8

EXAMPLE: USING V RATIO
70 volt connected to input (1 & 2).
Load connected to output (1 & 4).
Multiply 70V X V Ratio of taps 1 & 2.
70V X 2 = 140 V
This will allow a 70 volt line to be stepped up to 140 volts.

EXAMPLE: USING Z RATIO
8 ohms connected to input (1 & 2).
Load connected to output (1 & 4).
Multiply 8 ohms X Z Ratio of taps 1 & 2.
8 ohms X 4 = 32 ohms
This will allow a 32 ohm load to be connected to an 8 ohm amplifier output.

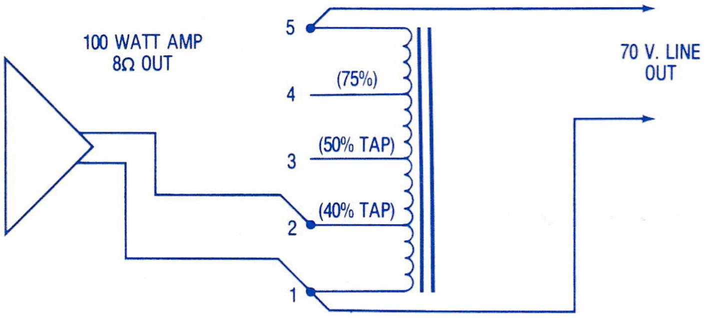
STEP DOWN **MODEL AF140**

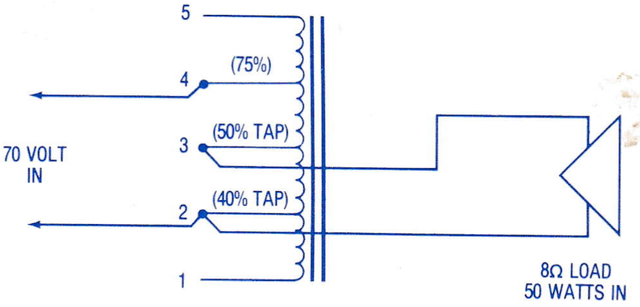

5
4
3
2
1
INPUT
OUTPUT

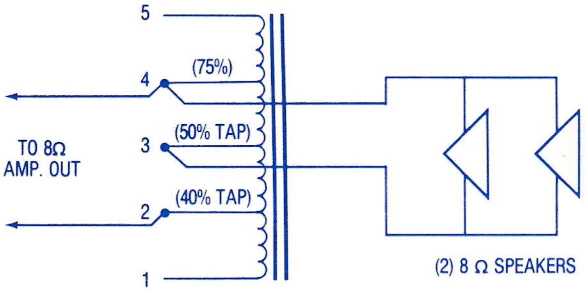
INPUT TAPS	OUTPUT TAPS	TURNS RATIO	VOLTAGE RATIO	IMPEDANCE RATIO
1 & 5	1 & 2	2.5:1	.40	.16
1 & 5	1 & 3	2.0:1	.50	.25
1 & 5	1 & 4	1.33:1	.75	.56
1 & 4	1 & 2	1.88:1	.53	.28
1 & 4	1 & 3	1.50:1	.67	.45
1 & 3	1 & 2	1.25:1	.80	.64
2 & 4	3 & 4	1.40:1	.71	.51
2 & 4	2 & 3	3.50:1	.29	.08

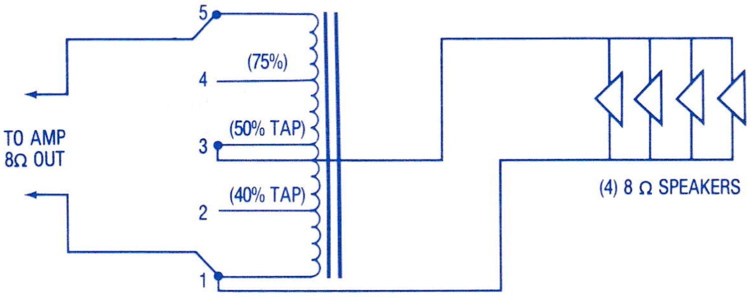
EXAMPLE: USING V RATIO
70V connected to input (1 & 4).
Load connected to 1 & 2.
Multiply 70V X V Ratio of taps 1 & 2.
70V X .5 = 35V
This will allow a 70 volt line to be stepped down to 35 volts.

EXAMPLE: USING Z RATIO
8 ohms connected to input (1 & 4) i.e. amp output.
Load connected to 1 & 2.
Multiply 8 ohms X Z Ratio of taps 1 & 2.
8 ohms X .25 = 2 ohms
This will allow a 2 ohm load to be connected to an 8 ohm amp output.


100 WATT AMP
8Ω OUT
5
4
(75%)
3
(50% TAP)
2
(40% TAP)
1
70 V. LINE
OUT


5
4
(75%)
70 VOLT
IN
3
(50% TAP)
2
(40% TAP)
1
8Ω LOAD
50 WATTS IN


5
4
(75%)
TO 8Ω
AMP. OUT
3
(50% TAP)
2
(40% TAP)
1
(2) 8 Ω SPEAKERS


5
4
(75%)
TO AMP
8Ω OUT
3
(50% TAP)
2
(40% TAP)
1
(4) 8 Ω SPEAKERS

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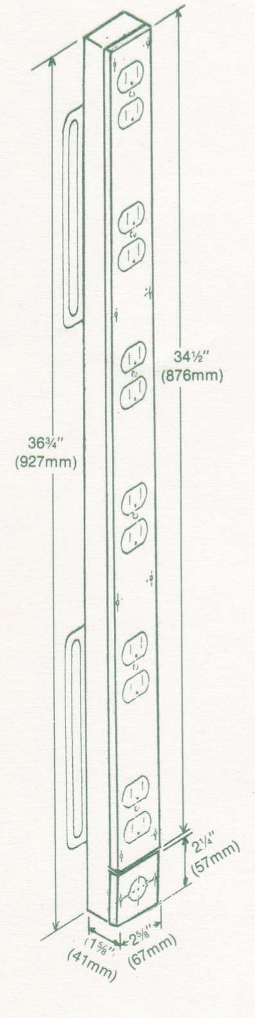
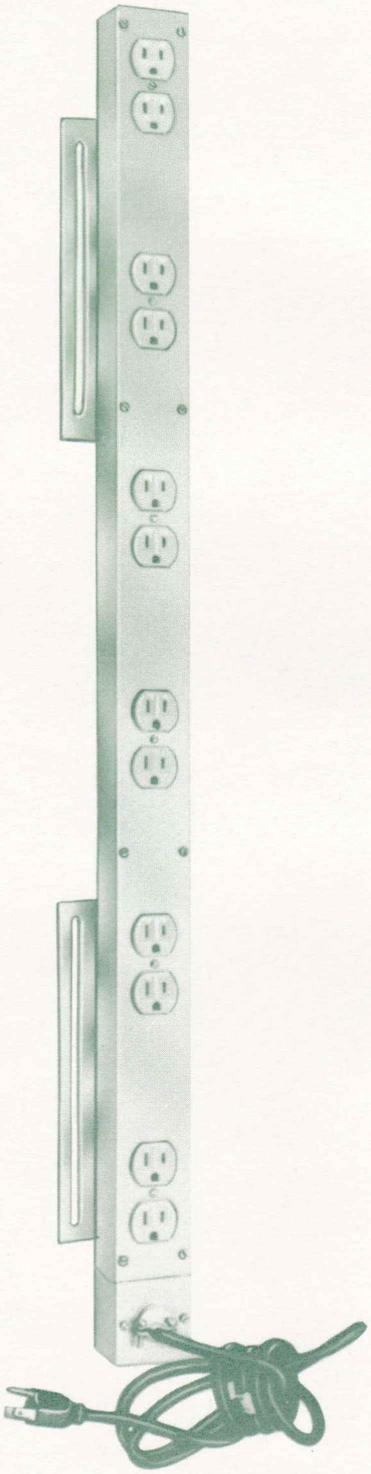
AC POWER STRIP

ACS-1

NEW PRODUCT

soundolier





Soundolier's ACS-1 is an AC Power Strip assembly designed for Soundolier equipment cabinets. These versatile units provide 6 UL listed grounded duplex outlets with UL listed power cord. Each assembly has all necessary hardware to easily mount inside a Soundolier equipment cabinet.

When used in conjunction with Soundolier ACR and ACK Power Panels, a complete AC Power System can be assembled for each cabinet. Additionally, ACS-1 Power Strips may be premounted inside Soundolier equipment cabinets at the factory. Consult factory for information.

Model Number	Description
ACS-1	6 Duplex Outlet Power Strip

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Each equipment rack shall incorporate a Soundolier ACS-1, AC Power Strip or approved equal, for proper AC power termination. Each power strip shall be constructed of heavy gauge steel with plated finish and utilize UL listed electrical components.

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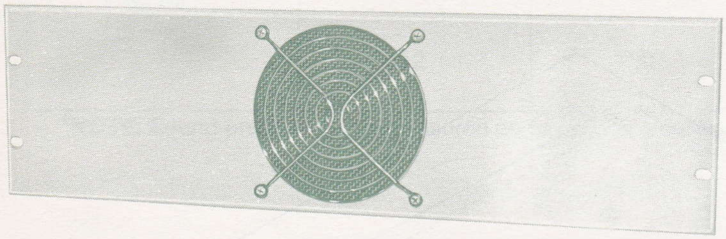
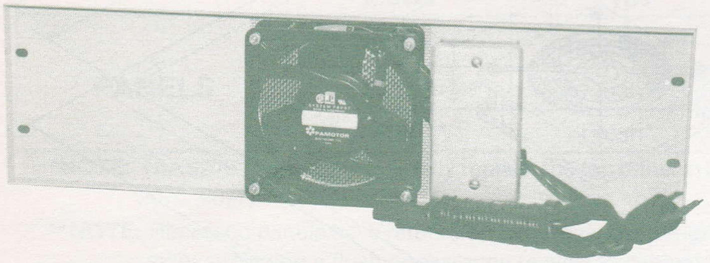
FAN PANEL ASSEMBLIES

ES/IS Series





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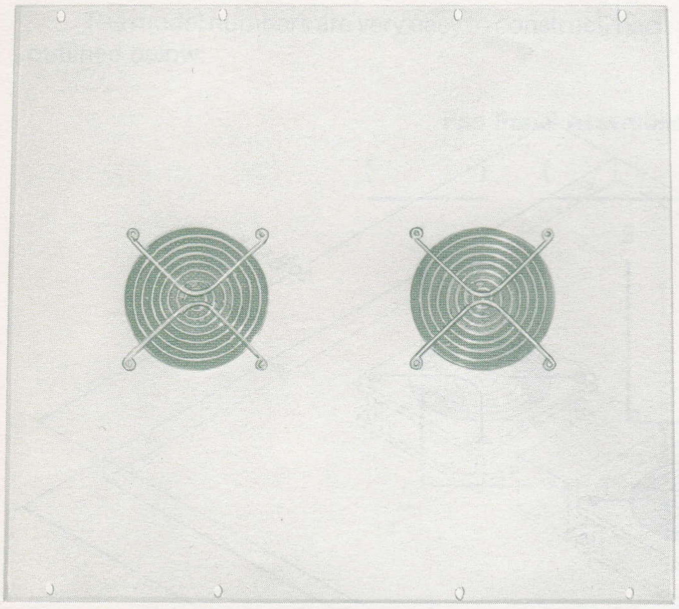
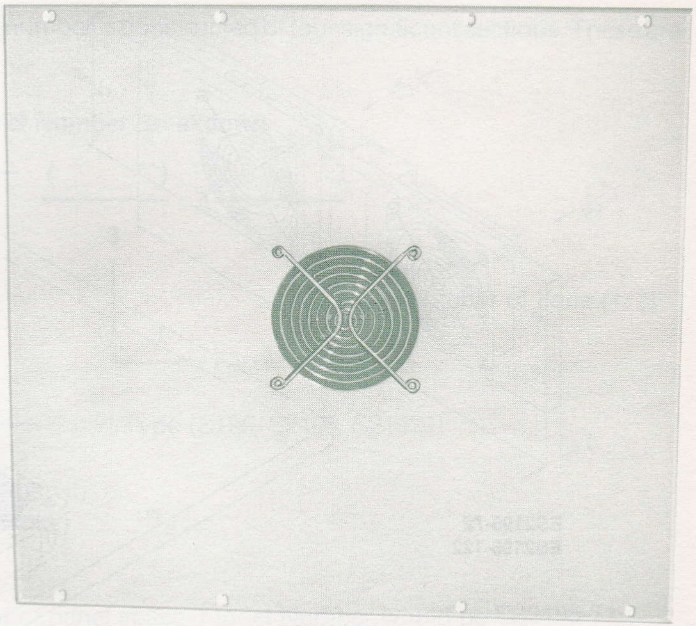
Soundolier's ES and IS Series Fan Panel Assemblies are designed to provide cooling and air circulation for electronic equipment mounted in standard 19"(483mm) EIA cabinets. Units are available in several configurations with two different fan speeds. Models are designed to mount in various Soundolier cabinet tops or for front mounting on standard cabinet mounting rails.

Exhaust (ES Series) or Intake (IS Series) fans may be specified (see model chart on page 4). Fan panel assemblies are shipped completely assembled on a standard 19"(483mm) EIA recessed or flush mount 16 ga. CRS panel. Fans include nickel chrome plated concentric wire grille backed up with a stainless steel wire mesh screen for additional fan security. Units are finished in a durable semi-gloss baking enamel. Various colors are available. If color is not specified, Soundolier Light Satin Beige (color #31) will be shipped.

See specifications and ordering information in this booklet.



ES21921-122



ES21921-71

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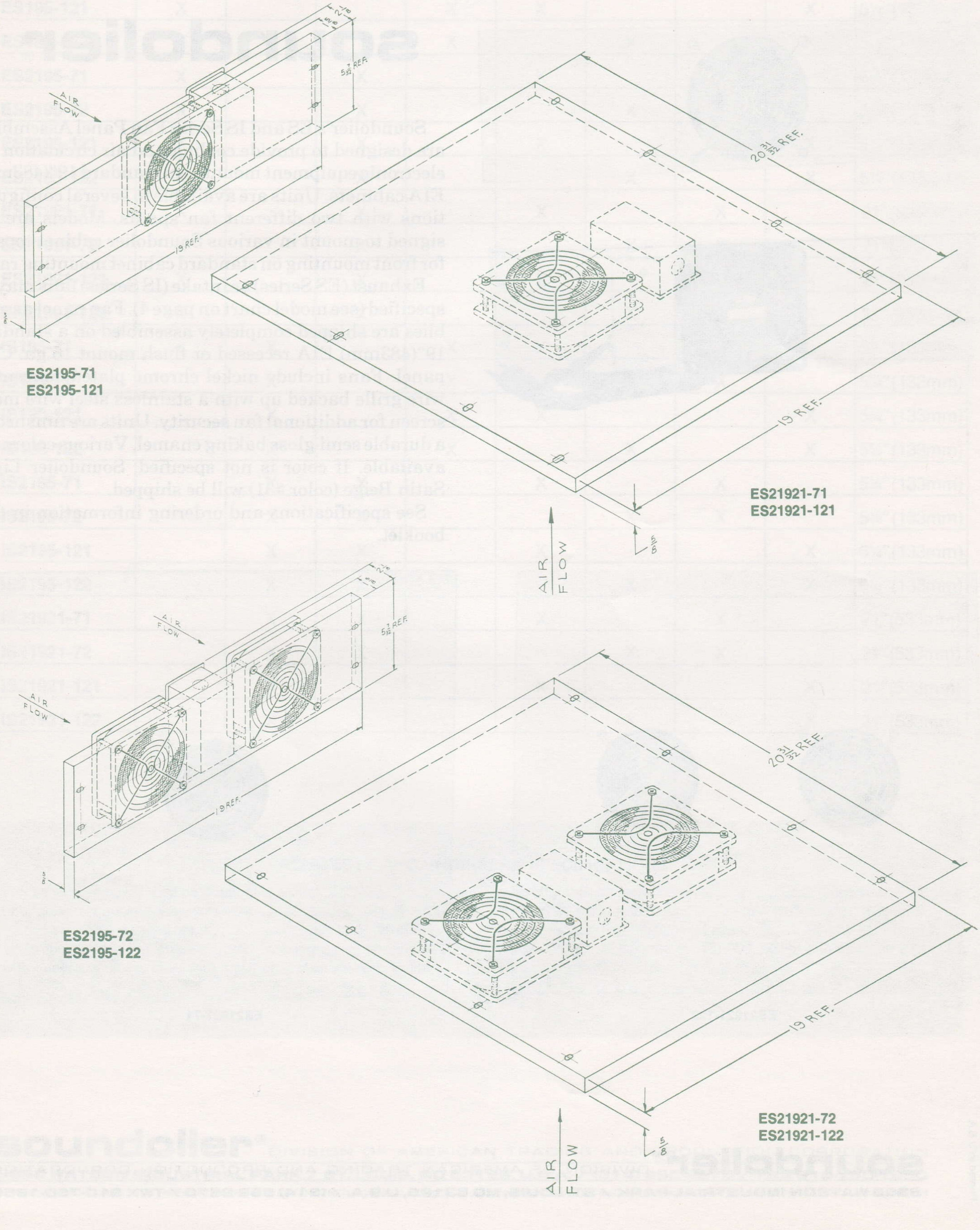
Soundolier Fan Panel Assemblies

The following line drawings show the various fan panel configurations. E (Exhaust) Series model numbers are detailed. I (Intake) Series models are the same except air flow direction is reversed.


AIR FLOW
5 7/32 REF.
19 REF.
5/8
20 31/32 REF.
19 REF.
AIR FLOW
5/8
AIR FLOW
AIR FLOW
5 7/32 REF.
19 REF.
5/8
20 31/32 REF.
19 REF.
AIR FLOW
5/8

ES2195-71
ES2195-121

ES21921-71
ES21921-121

ES2195-72
ES2195-122

ES21921-72
ES21921-122

SPECIFICATIONS

	Model	Speed (cfm)	Sound Level (db)*	Operating Voltage	Power Termination
FANS	**7**	70	37 (single fan) 39 (dual fan)	117 VAC 60 Hz	6 ft line cord (3 wire including ground)
	12	120	48 (single fan) 52 (dual fan)		

***NOTE:** Sound pressure levels measured on fan axis at a distance of 5 feet.

	Model	Type	Material	Finish	Panel Space
PANELS	**S195**	Recessed**	16 ga. CRS	Paint	5¼″(133mm)
	S2195	Flush**	16 ga. CRS	Paint	5¼″(133mm)
	S21921*	Flush**	16 ga. CRS	Paint	21″(533mm)

***NOTE:** The S21921 panel may directly replace the top panel in Soundolier's Select Series floor cabinets (models 2036, 2042, 2061, 2070, 2077).

****NOTE:** Recessed panels have returns on two sides for strength with flat mounting surface. Flush panels have returns on all four sides providing a flush appearance relative to cabinet front surface.

HOW TO ORDER

The model numbers are very easy to construct. Each model number is constructed of four significant sections. These are outlined below:

Fan Panel Assemblies Model Number Breakdown

( ) ( ) — ( ) ( )

1 2 3 4

4 — Number of Fans (1, 2)

3 — Fan Model (7, 12)

2 — Panel Type (S195, S2195, S21921)

1 — Fan Type — E (Exhaust)
— I (Intake)

Samples: Exhaust fan, 70 cfm, on flush panel with 5¼″(133mm) of panel space. Model Number would be $\underset{1}{\underline{E}}\underset{2}{\underline{S2195}}\text{-}\underset{3}{\underline{7}}\underset{4}{\underline{1}}$.

Two Intake fans, 120 cfm, on flush panel with 21″(533mm) of panel space. Model Number would be $\underset{1}{\underline{I}}\underset{2}{\underline{S21921}}\text{-}\underset{3}{\underline{12}}\underset{4}{\underline{2}}$.

AVAILABLE MODELS

Model No.	Exhaust	Intake	Flush	Recessed	1 Fan	2 Fans	Fan Speed		Panel Space
							70 cfm	120 cfm	
ES195-71	X			X	X		X		5¼"(133mm)
ES195-72	X			X		X	X		5¼"(133mm)
ES195-121	X			X	X			X	5¼"(133mm)
ES195-122	X			X		X		X	5¼"(133mm)
ES2195-71	X		X		X		X		5¼"(133mm)
ES2195-72	X		X			X	X		5¼"(133mm)
ES2195-121	X		X		X			X	5¼"(133mm)
ES2195-122	X		X			X		X	5¼"(133mm)
ES21921-71	X		X		X		X		21"(533mm)
ES21921-72	X		X			X	X		21"(533mm)
ES21921-121	X		X		X			X	21"(533mm)
ES21921-122	X		X			X		X	21"(533mm)
IS195-71		X		X	X		X		5¼"(133mm)
IS195-72		X		X		X	X		5¼"(133mm)
IS195-121		X		X	X			X	5¼"(133mm)
IS195-122		X		X		X		X	5¼"(133mm)
IS2195-71		X	X		X		X		5¼"(133mm)
IS2195-72		X	X			X	X		5¼"(133mm)
IS2195-121		X	X		X			X	5¼"(133mm)
IS2195-122		X	X			X		X	5¼"(133mm)
IS21921-71		X	X		X		X		21"(533mm)
IS21921-72		X	X			X	X		21"(533mm)
IS21921-121		X	X		X			X	21"(533mm)
IS21921-122		X	X			X		X	21"(533mm)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Fan panel assemblies shall be Soundolier Model ____________ or approved equal and shall consist of ____________ (1, 2) fan motors providing a speed of ____________ (70 cfm, 120 cfm). Units shall have nickel chrome plated concentric wire fan grilles with integral stainless steel wire mesh protective screens. Entire assembly shall be mounted on a ____________ (flush, recessed) 16 ga. CRS panel with ____________ (5¼"[133mm], 21"[533mm]) of panel space. Fans shall direct air in ________ (exhaust, intake) mode. Units shall operate at 117 VAC, 60 Hz with attached 6 ft. cordset.

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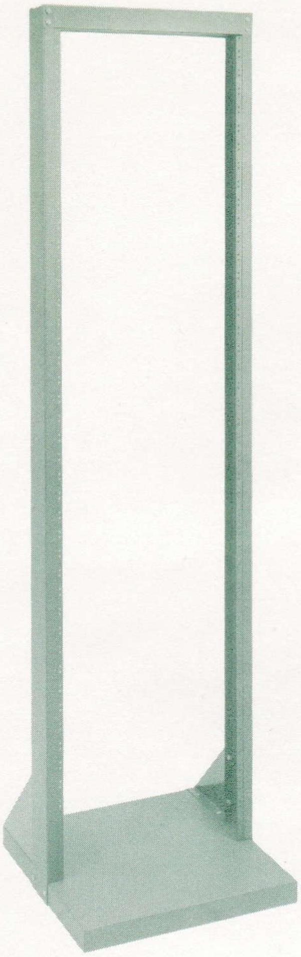
CABINET RELAY RACKS

STANDARD 19"(483mm) RACK PANELS

800 SERIES
OPEN RELAY RACK



NEW PRODUCT

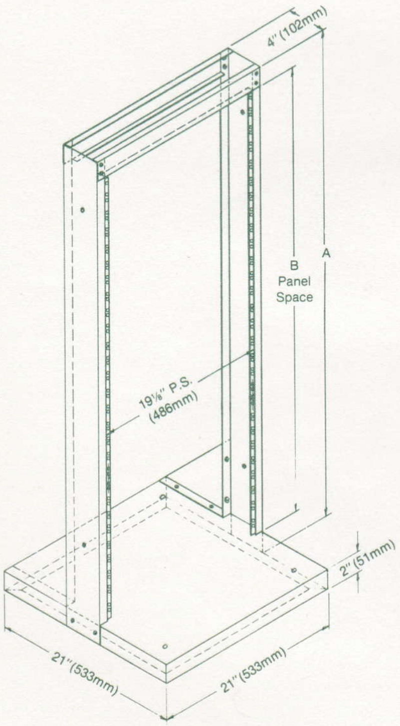
soundolier

FEATURES:
- Rugged 16 Gauge CRS Construction
- 11 Gauge CRS Mounting Rails
- Tapped Mounting Holes
- Knocked Down for Cost Effective Shipping
- Easy Assembly with Supplied Hardware

SERIES 800 OPEN RELAY RACKS FOR 19" PANELS

The new Soundolier 800 Series is an Open Relay Rack series for use when a complete enclosure is not required or when easy access to equipment is needed. Heavy 16 gauge CRS construction with integral tapped 11 gauge mounting rails provides sturdy construction in a quality product.

Five models are available in panel space openings from 36⅞"(937mm) up to 77⅛"(1959mm). Each unit is shipped in a knocked down configuration and is easily assembled with provided hardware. The standard finish is Soundolier Light Satin Beige baking enamel. Other colors are available (consult your Soundolier master price list for color options).



Model Number	Dim. "A"	Dim. "B" Panel Space
800-36	40⅞"(1038mm)	36⅞"(937mm)
800-42	46⅛"(1172mm)	42⅛"(1070mm)
800-61	65$\frac{3}{16}$"(1656mm)	61⅜"(1559mm)
800-70	74⅛"(1883mm)	70⅛"(1781mm)
800-77	81⅛"(2061mm)	77⅛"(1959mm)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The open relay rack shall be Soundolier model number ______ or approved equal. It shall be constructed of 16 gauge CRS with 11 gauge CRS mounting rails. Mounting rails shall be tapped for 10-32 machine screws on EIA spacing. Finish of unit shall be ______________________ (specify standard Soundolier Light Satin Beige or other color) baking enamel.

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SECTIONAL WALL MOUNTING CABINETS

STANDARD 19" RACK PANELS

ELECTRONIC
EQUIPMENT
CABINETS / SERIES 300

SECTION
W

soundolier, inc.

SPECIFICATIONS

- 16 gauge construction on all three sections.
- 11 gauge mounting supports on the three larger models
- Hinges holding rear and center sections are bolted
- Rear section is of one piece construction, spot welded angle braces at each corner, electric welded seams at ¾" gussets
- ½" knockouts at top and bottom of rear section
- Center section has 10-32 tapped holes for panel mounting (hardware included)
- Center section has internal louvers on sides and bottom
- Center section has 16 gauge braces at each corner joint
- Center and back sections are secured with one or two one-quarter turn camlocks (one for smaller units, two for larger units)
- Center and back sections have alignment pins for strength (one for smaller units, two for larger units)
- Back hinges are mounted with carriage bolts, 3 hinges on the three larger models and 2 hinges for the three smaller models
- Front doors are 2" deep and are of one piece construction with electric welds at all seams
- Cylinder locks are standard on all models
- Back section securely fastened to wall before center section is mounted through the use of removable pin type hinges
- Front door cannot be removed from hinges while locked
- All models shipped completely assembled

SERIES 300 SECTIONAL WALL CABINETS

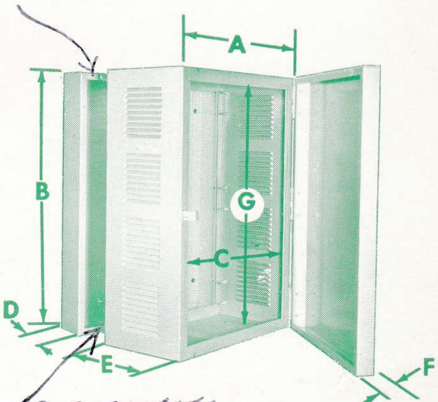
Soundolier sectional wall mounting cabinets are designed for standard 19" rack panels. All three sections use 16 gauge CRS throughout. The back cabinet is of one piece construction with a spot welded 16 gauge CRS angle brace at each corner. A ¾" gusset is formed around the back cabinet with the seams electric welded. Models 300-28, 300-42 and 300-61 have 11 gauge mounting supports located on the back wall of the rear section. The hinges are not welded but are bolted to give extra strength. The hinges are the removable pin type. This allows the back section to be securely fastened to the wall independently of the center section. The three smaller models have two hinges holding the center and back sections together while the three larger models have three.

Knockouts and internal louvers are among the exclusive features. ½" conduit knockouts are located at the top and bottom of the rear section while internal louvers are located on the sides and bottom of the center section. Internal louvers are especially desirable for improved ventilation and present a neat and clean appearance. The center cabinet is strengthened with 16 gauge braces at each corner or joint. One-quarter turn camlocks which are easily accessible from the front, help secure the center to the rear section. There are two on the three large models while one is used on the smaller models. Additional strength is gained through the use of alignment pins between the center and rear sections. Two are used on the three larger models while one is used on the three smaller models. All models have a 2" deep front door with one piece electric welded construction. Cylinder locks are standard equipment. The front door hinge is constructed so that the front door cannot be removed while locked. Finally, all models have tapped panel mounting rails and 10-32x⅜" pan head screws for panel mounting. All units are shipped completely assembled. An exclusive Soundolier packaging procedure avoids painted surfaces rubbing against the carton. An unusual scuff resistant material is used where needed. The standard finish is baked grey hammer-tone covering a phosphate treatment. Both standard and non-standard colors are available. Consult your price list for current standard Soundolier colors and for policy regarding non-standard colors.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The sectional wall mounting cabinet shall be Soundolier model ________or approved equal. It shall be constructed of 16 gauge CRS throughout. Hinges shall be bolted and not welded for strength. Rear section shall be of one piece construction with electric welding at all seams. Rear section shall have braces at all corners. Rear section shall have ½" conduit knockouts at the top and bottom. Center section shall have internal louvers on the sides and bottom. Center section shall be secured with one-quarter turn camlocks and alignment pins. Panel mounting rails shall be tapped for 10-32 screws. Front door shall be 2" deep and of one piece construction. All joints shall be electric welded. A cylinder lock shall be mounted on front door.

Model No.	A	B	C	D	E	F	G Panel Space	D-E-F	Shipping Weight
300-17	20⅝"	20½"	19⅛"	4½"	11"	2"	17½"	17½"	46#
300-21	20⅝"	24"	19⅛"	4½"	11"	2"	21"	17½"	55#
300-26	20⅝"	29¼"	19⅛"	4½"	11"	2"	26¼"	17½"	68#
300-28	20⅝"	31"	19⅛"	4½"	11"	2"	28"	17½"	75#
300-42	20⅝"	45"	19⅛"	4½"	11"	2"	42"	17½"	125#
300-61	20⅝"	64¼"	19⅛"	4½"	11"	2"	61¼"	17½"	175#



Must reserve
for locking rods!
photo 55—47158

Soundolier Inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

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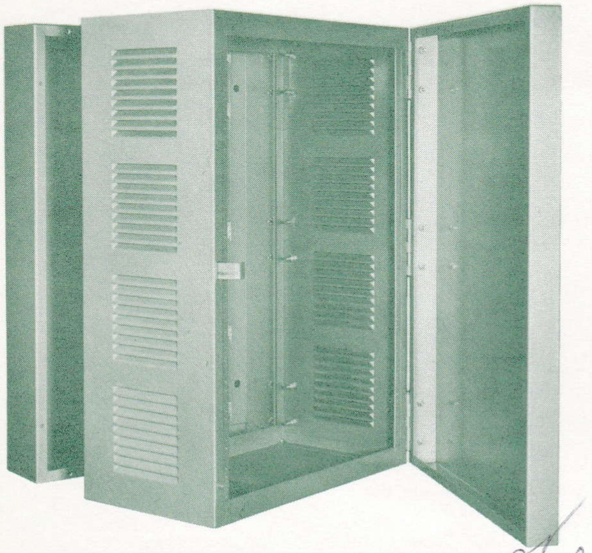
SECTIONAL WALL MOUNTING CABINETS

STANDARD 19"(483mm) RACK PANELS

SERIES 300/320

NEW DEEPER 320 SERIES



SPECIFICATIONS

Deeper model

- Two different depths
- 16 gauge construction on all three sections
- 11 gauge mounting supports on the six larger models
- Hinges holding rear and center sections are bolted
- Rear section is of one piece construction, electric welded seams
- ½(13mm)-¾(19mm) double knockouts at top and bottom of rear section
- Center section has 10-32 tapped holes for panel mounting (hardware included)
- Center section has internal louvers on sides and bottom
- Center section has 16 gauge braces at each corner joint
- Center and back sections are secured two screw type locking rods
- Center and back sections have alignment pins for strength
- Back hinges are mounted with carriage bolts, 3 hinges on the six larger models and 2 hinges for the six smaller models
- Front doors are 2"(51mm) deep and are of one piece construction with electric welds at all seams
- Cylinder locks are standard on all models
- Back section securely fastened to wall before center section is mounted through the use of removable pin type hinges
- Front door cannot be removed from hinges while locked
- All models shipped completely assembled

SHIPPING WEIGHT WITHOUT DOOR		
	Lbs. (Kg)	
Model No.	300 Series	320 Series
300-17LD, 320-17LD	44(19.958)	50(22.680)
300-21LD, 320-21LD	49(22.226)	55(24.948)
300-26LD, 320-26LD	54(24.494)	61(27.669)
300-28LD, 320-28LD	63(28.576)	70(31.751)
300-42LD, 320-42LD	84(38.102)	93(42.184)
300-61LD, 320-61LD	108(48.989)	120(54.432)

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SERIES 300/320 SECTIONAL WALL CABINETS

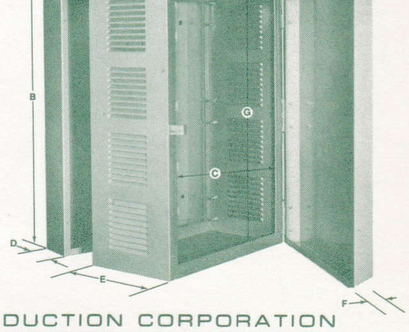
Soundolier's sectional wall mounting cabinets are designed for standard 19"(483mm) rack panels. This series includes two versions of different overall depths. The 300 Series incorporates an 11 inch deep center section for most applications. The 320 Series has a 15 inch deep center section to accommodate the modern higher power solid state amplifiers. All three sections (rear, center, front door) use 16 gauge CRS throughout. Models 300-28, 320-28, 300-42, 320-42, 300-61 and 320-61 have 11 gauge mounting supports located on the back of the rear section. The hinges on rear section are not welded but are bolted to give extra strength. The hinges are the removable pin type. This allows the back section to be securely fastened to the wall independently of the center section. The six smaller models have two hinges holding the center and back sections together while the six larger models have three.

Knockouts and internal louvers are among the exclusive features. Conduit knockouts are ½"(13mm) - ¾"(19mm) double knockouts, located at the top and bottom of the rear section while internal louvers are located on the sides and bottom of the center section. Internal louvers are especially desirable for improved ventilation and present a neat and clean appearance. The center cabinet is strengthened with 16 gauge braces at each corner. Screw type locking rods which are easily accessible from the front, help secure the center to the rear section. There are two on all models. Additional strength is gained through the use of alignment pins between the center and rear sections. Two are used on all models. All models have a 2"(51mm) deep front door with one piece electric welded construction. Cylinder locks are standard equipment. The front door hinge is constructed so that the front door cannot be removed while locked. Finally, all models have tapped panel mounting rails and 10-32 x ¾"(19mm) pan head screws for panel mounting. All units are shipped completely assembled. An exclusive Soundolier packaging procedure avoids painted surfaces rubbing against the carton. A scuff resistant material is used where needed. The standard finish is Soundolier Light Satin Beige covering a phosphate treatment. Both standard and nonstandard colors are available. Consult Paint Chart SL1239A for current standard Soundolier colors and for policy regarding non-standard colors. The 300 Series may be equipped without doors. All specifications remain the same except no hinge holes, door catch, or alignment pins are located on the front side of the center section. Suffix model number with LD for cabinet without door (i.e. 300-17LD).

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The sectional wall mounting cabinet shall be Soundolier model ________ or approved equal. It shall be constructed of 16 gauge CRS throughout. Hinges shall be bolted and not welded for strength. Rear section shall be of one piece construction with electric welding at all seams. Rear section shall have ½"(13mm)-¾"(19mm) double knockouts at the top and bottom. Center section shall have internal louvers on the sides and bottom. Center section shall be secured with screw type locking rods and alignment pins. Panel mounting rails shall be tapped for 10-32 screws. Front door shall be 2"(51mm) deep and of one piece construction. All joints shall be electric welded. A cylinder lock shall be mounted on front door. For models without doors suffix model number with LD.

Model Number	A Inches (mm)	B Inches (mm)	C Inches (mm)	D Inches (mm)	E Inches (mm)		F Inches (mm)	G Panel Space Inches (mm)	D-E-F Total Inches (mm)		Shipping Weight Lbs. (kg)	
											300 Series	320 Series
300-17, 320-17	20⅝(524)	20½(521)	19$\frac{1}{16}$(484)	4½(114)	11(279) For 300 Series	15(381) For 320 Series	2(51)	17$\frac{9}{16}$(446)	17½(444) For 300 Series	21½(546) For 320 Series	56(25.401)	62(28.123)
300-21, 320-21	20⅝(524)	24(610)	19$\frac{1}{16}$(484)	4½(114)			2(51)	21$\frac{1}{16}$(535)			63(28.576)	69(31.230)
300-26, 320-26	20⅝(524)	29¼(743)	19$\frac{1}{16}$(484)	4½(114)			2(51)	26$\frac{5}{16}$(668)			70(31.571)	77(34.728)
300-28, 320-28	20⅝(524)	31(787)	19$\frac{1}{16}$(484)	4½(114)			2(51)	28$\frac{1}{16}$(713)			80(36.287)	87(39.462)
300-42, 320-42	20⅝(524)	45(1143)	19$\frac{1}{16}$(484)	4½(114)			2(51)	42$\frac{1}{16}$(1068)			107(48.534)	116(52.616)
300-61, 320-61	20⅝(524)	64¼(1632)	19$\frac{1}{16}$(484)	4½(114)			2(51)	61$\frac{5}{16}$(1557)			138(65.596)	150(71.300)



SL 1098D
Supersedes SL 1098C
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CABINET RELAY RACKS

STANDARD 19" RACK PANELS

ELECTRONIC
EQUIPMENT
CABINETS / SERIES 100
SERIES 110
SERIES TMR

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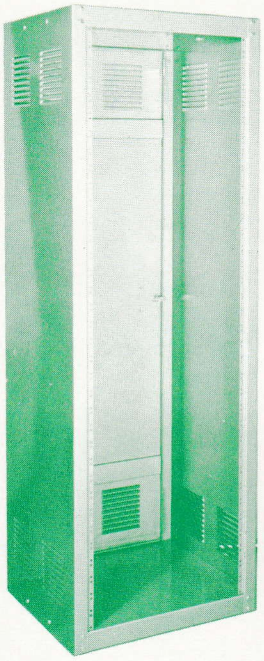

SPECIFICATIONS

Model No.	Width	Height	Depth	Panel Space - In.	Shipping Weight	Optional Model No.	Front Door Shipping Weight
100-36	22⅜"	41"	18½"	36.75"	95#	110-36	18#
100-42	22⅜"	46 5/16"	18½"	42.00"	105#	110-42	24#
100-61	22⅜"	65 7/16"	18½"	61.25"	115#	110-61	27#
100-70	22⅜"	74 5/16"	18½"	70.00"	125#	110-70	30#
100-77	22⅜"	81 5/16"	18½"	77.00"	135#	110-77	33#

- 16 gauge CRS throughout
- ⅛" CRS tapped panel mounting rails (optional)
- 1¼" x ½" panel mount spacing standard
- ¼" offset for panel mount
- 10-32 U nut (Tinnerman) standard; tapped rails (optional)
- 10-32 x ⅝" pan head screws for assembly of panels
- ¼" x ½" pan head screws for assembly of cabinet
- Slip jointed hinges on rear door and continuous piano hinge on optional front door
- Low profile handle and cylinder lock (front and rear doors keyed differently)
- ¾" conduit knockouts on top, bottom and rear flanges (exclusive with Soundolier)
- Internal louvers on all sides and the rear door (exclusive with Soundolier)
- Engineered scuff resistant packing
- All models shipped disassembled only
- Standard 19" rack panels
- Standard finish grey hammertone on phosphate coating. See price list for other standard and non-standard colors.

SERIES 100 CABINET RELAY RACKS

Soundolier cabinet relay racks are designed for standard 19" rack panels. Sturdy 16 gauge CRS is used throughout. A rear door is provided as standard equipment and is hung on strong slip jointed hinges. The top pin hinge is extra long thus reducing alignment problems when assembling. A cylinder lock and low profile handle complete the rear door assembly. Knockouts and internal louvers are among the exclusive features offered by Soundolier. Six ¾" conduit knockouts (3 on top and 3 on back flange) are provided at the top of the rack with six knockouts at the bottom (3 on bottom and 3 on back flange). External wiring is easily and neatly introduced to the cabinet. All louvers are internal in design. Ventilation is improved while providing a neat and clean appearance. Internal louvers reduce stacking problems when more than one cabinet is used. The panel mounting rails are recessed ¼" for a "flush" look.

Soundolier cabinet relay racks are shipped disassembled. The unit is easily and completely bolted together with ¼" x ½" pan head screws. Panels are mounted with 10-32x⅝" pan head screws provided with the cabinet. An exclusive Soundolier packaging procedure avoids painted surfaces rubbing against the carton. An unusual scuff resistant material is used where needed. The standard finish is baked grey hammertone covering a phosphate treatment. Both standard and non-standard colors are available. Consult your price list for current standard Soundolier colors and for policy regarding non-standard colors.

Options

a. Series TMR tapped panel mounting rails made of ⅛" CRS are available as an option. When ordered with the cabinet, the rails will be factory welded in position. When ordered separately, they may be bolted on at the job site. All holes are tapped for 10-32 screws. When tapped rails are not ordered, 10-32 U nuts are provided with the cabinet. Suffix catalog number with -TMR when ordering factory installed tapped panel mounting rails. Consult your price sheet when ordering tapped rails separately.

b. Series 110 16 gauge CRS front doors may be ordered with Series 100 cabinets or separately. The depth is 1" to clear all protruding knobs. The lock and handle are the same style as the rear door except the locks are keyed differently for security. Series 110 optional front doors are mounted on a rigid continuous piano hinge. Door mounting instructions and necessary hardware are furnished.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The cabinet relay rack shall be a Soundolier model -------- or approved equal. It shall be constructed of 16 gauge CRS throughout. It shall have ¾" conduit knockouts on the top, bottom and rear flanges. It shall have internal louvers for improved ventilation. It shall have a rear door supported on slip jointed hinges and shall be equipped with a low profile handle and cylinder lock.

(optional)
It shall have Soundolier model -------- panel mounting rails with 10-32 tapped holes or approved equal. The rails shall be constructed of ⅛" CRS.

It shall have a Soundolier model --------- front door or approved equal mounted on a continuous hinge. The door shall have a cylinder lock the same in style but keyed differently from the rear door and the same low profile handle. The door shall be 1" deep to clear all control knobs.

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TRANSMITTER RACKS
STANDARD 19" RACK PANELS

ELECTRONIC EQUIPMENT CABINETS / **SERIES 200 SERIES TMR**

SECTION W

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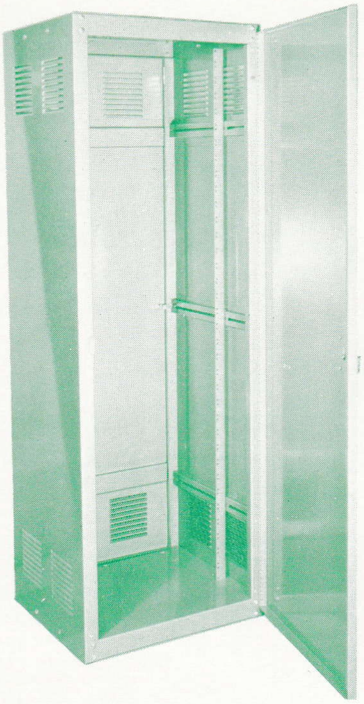

SERIES 200 TRANSMITTER RACKS

Soundolier transmitter racks are designed for standard 19" rack panels. Heavy 16 gauge CRS is used throughout. Both rear and front doors are provided. The rear door is hung on slip jointed hinges with the top pin hinge extra long to reduce alignment problems when assembling. The front door is mounted on a sturdy continuous piano hinge. Cylinder locks and low profile handles complete both door assemblies. Front and rear door locks are keyed differently for security. Knockouts and internal louvers are among the exclusive features offered by Soundolier. Six ¾" conduit knockouts (3 on top and 3 on back flange) are provided at the top of the rack with six knockouts at the bottom (3 on bottom and 3 on back flange). External wiring is easily and neatly introduced to the rack. All louvers are of internal design. Ventilation is improved while providing a neat and clean appearance. Internal louvers reduce stacking problems when more than one rack is used. Panel mounting angles are adjustable to any distance from the front. Three channel slides per side provide the adjustment.

Soundolier racks are shipped disassembled. The rack is easily and completely bolted together with ¼" x ½" pan head screws. 10-32 x ⅝" pan head screws are also provided for panel mounting. An exclusive Soundolier packaging procedure avoids painted surfaces rubbing against the carton. An unusual scuff resistant material is used where needed. The standard finish is baked grey hammertone covering a phosphate treatment. Both standard and non-standard colors are available. Consult your price list for current standard Soundolier colors and for policy regarding non-standard colors.

Options

a. Series TMR tapped panel mounting rails made of ⅛" CRS are available as an option. When ordered with the rack, the rails will be factory welded in position. When ordered separately, they may be bolted on at the job site. All holes are tapped for 10-32 screws. When tapped rails are not ordered, 10-32 U nuts are provided with the rack. Suffix catalog number with –TMR when ordering factory installed tapped panel mounting rails. Consult your price list for ordering tapped rails separately.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The transmitter rack shall be a Soundolier model ________ or approved equal. It shall be constructed of 16 gauge CRS throughout. It shall have ¾" conduit knockouts on the top, bottom and rear flanges. It shall have internal louvers for improved ventilation. It shall have the rear door supported on slip jointed hinges and the front door on a continuous piano hinge. It shall be equipped with handles and cylinder locks with the front and rear door locks keyed differently. It shall have adjustable panel mounting angles for panel mounting any distance from the front. (optional)

It shall have Soundolier model ________ panel mounting rails with 10-32 tapped holes or approved equal. The rails shall be constructed of ⅛" CRS.

SPECIFICATIONS

Model No.	Width	Height	Depth	Panel Space - In.	Shipping Weight
200-36	22⅜"	41"	18½"	36.75"	120#
200-42	22⅜"	46 5/16"	18½"	42.00"	130#
200-61	22⅜"	65 7/16"	18½"	61.25"	140#
200-70	22⅜"	74 5/16"	18½"	70.00"	150#
200-77	22⅜"	81 5/16"	18½"	77.00"	160#

- 16 gauge CRS throughout
- ⅛" tapped panel mounting rails (optional)
- 1¼" x ½" panel mount spacing standard
- 10-32 U nuts (Tinnerman) standard; tapped rails (optional)
- ¼" x ½" pan head screws used for assembly of racks
- 10-32 x ⅝" pan head screws for assembly of panels
- Panel mounting angles adjustable for panel mounting any distance from front
- Slip jointed hinges on rear door and continuous piano hinge on front door
- Low profile handle and cylinder lock (front and rear door locks keyed differently)
- ¾" conduit knockouts on top, bottom and rear flanges (exclusive with Soundolier)
- Internal louvers on all sides and the rear door (exclusive with Soundolier)
- Engineered scuff resistant packing
- All models shipped disassembled only
- Standard 19" rack panels
- Standard finish grey hammertone on phosphate coating. See price list for other standard colors and non-standard colors.

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DESK TOP CABINET

STANDARD 19″ RACK PANELS

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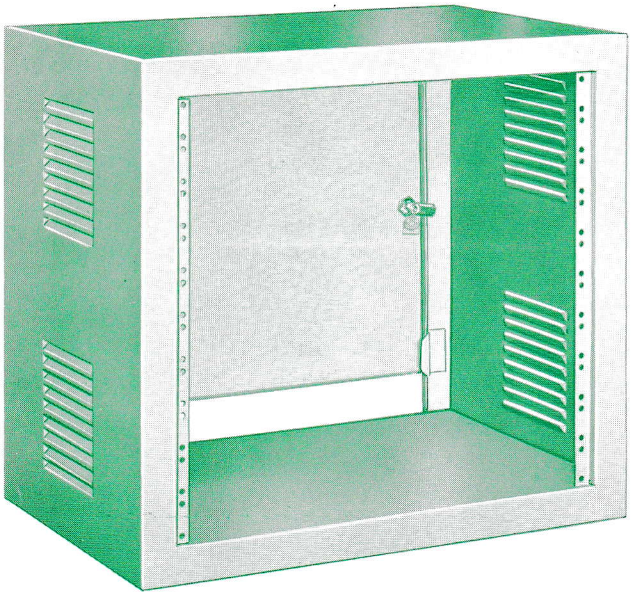

SERIES 400 DESK TOP CABINET

Soundolier series 400 cabinets are designed for "desk top" installations accommodating 19″ panel mounted equipment. They are available in four popular panel space sizes (see specification chart below). This compact cabinet is constructed throughout of welded 16 gauge CRS. A locking rear door mounted on strong slip jointed hinges is standard on all models. Internal louvers on each side provide ample ventilation. External wiring is easily and neatly introduced into the cabinet through the wire entry space below the rear door. The panel mounting rails are recessed ¼″ for a "flush" look.

Soundolier series 400 cabinets are shipped completely assembled. Equipment panels and accessories are mounted with 10-32 x ⅝″ pan head screws and 10-32 Tinnerman U clips provided with each cabinet. Accessories ideally suited for this cabinet are the Soundolier PD10-14 and PD10-145 phono drawers and SH19-7 shelf assembly. Caution: Models PD10-16 and PD10-165 phono drawers and all storage drawer models will not mount in series 400 cabinets.

The standard finish, unless otherwise specified, is baked grey hammertone. Consult your price list for many other standard colors available at no additional cost. All finishes are a hard baked enamel over a phosphate treatment.

Front door Special order
cost $68.06
10/1/74

SPECIFICATIONS

Model No.	Width	Height	Depth	Panel Space-in.	Shipping Weight
400-12	22⅜″	15¼″	15⅜″	12¼″	35 lbs
400-17	22⅜″	20½″	15⅜″	17½″	42 lbs
400-24	22⅜″	27½″	15⅜″	24½″	47 lbs
400-31	22⅜″	34½″	15⅜″	31½″	58 lbs

- Completely assembled, all welded construction.
- 16 gauge CRS throughout.
- 1¼ x ½ panel mount spacing standard.
- ¼″ offset for panel mount.
- 10-32 U clips (Tinnerman) for panel mount.
- 10-32 pan head screws for panel mount.
- Slip jointed hinges on rear door.
- Keyed cylinder lock on rear door.
- Internal louvers on each side.
- Wide choice of standard paint colors (no additional cost).

Architects' and Engineers' Specifications

The desk top cabinet shall be Soundolier model ______________ or approved equal. It shall be constructed of 16 gauge CRS throughout and shall be factory welded throughout. It shall have internal louvers for improved ventilation. It shall have a rear door supported on slip jointed hinges and shall be complete with a cylinder lock. The rear of the cabinet shall have a suitable entry space for introducing external wiring into the cabinet.

The cabinet shall be provided with 10-32 x ⅝″ pan head screws and 10-32 Tinnerman U clips for panel mounting. The finish shall be a hard baked enamel over a phosphate treatment.

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TELEX 44-865

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EQUIPMENT RACK ACCESSORIES

FOR STANDARD 19″ RACKS

SECTION
W

PHONO DRAWERS	SERIES PD
STORAGE DRAWERS	SERIES SD
SHELF ASSEMBLY	SERIES SH
ROLLER TRUCK	SERIES CT
VENT PANELS	SERIES SVP
BLANK PANELS	SERIES S19 SERIES A19

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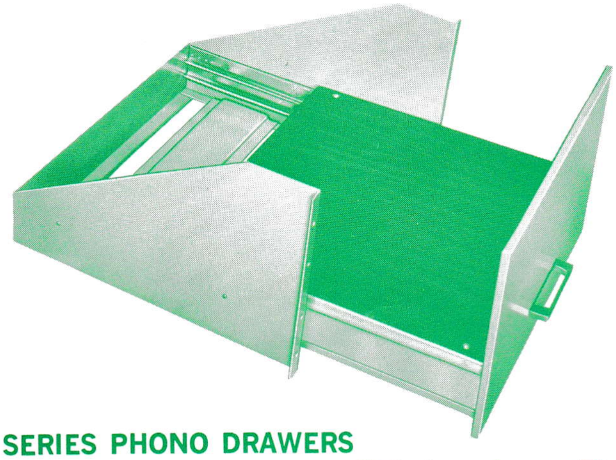
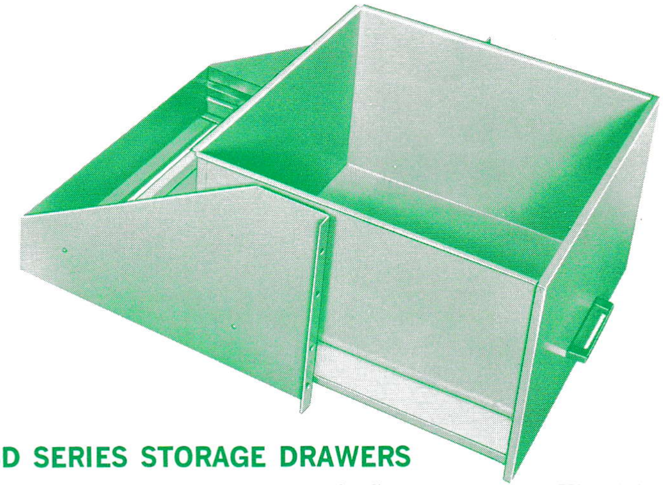




PD SERIES PHONO DRAWERS

The Model PD10-16 is a 16 gauge CRS phono drawer. The chassis is mounted on slides which have nylon tired ball bearing rollers. The slide has tilt-up action for easy removal of chassis section. The slide load rating is 100 lbs. The chassis section will extend 12″ in the open position. The phono base is constructed of ¼″ masonite with a walnut grain finish. The standard paint finish is grey hammertone. Other colors are available upon request. Consult price list for other standard colors.

The Model PD10-165 is similar to the Model PD10-16 except that the slide extends to 16″ in the open position. The chassis section is easily removed from the front of the drawer assembly. The load rating is 100 lbs.

The Model PD10-14 is similar to the Model PD10-16 except that it is 14″ in overall length and the chassis section extends 10″ in the open position. This unit is expressly designed for the Series 300 cabinets, however it will also be acceptable in the 100 and 200 Series cabinets.

The Model PD10-145 is similar to the Model PD10-14 except that the slide extends 14″ in the open position. The overall length is 14″. The chassis section is easily removed from the front of the drawer assembly. The load rating is 100 lbs.

SD SERIES STORAGE DRAWERS

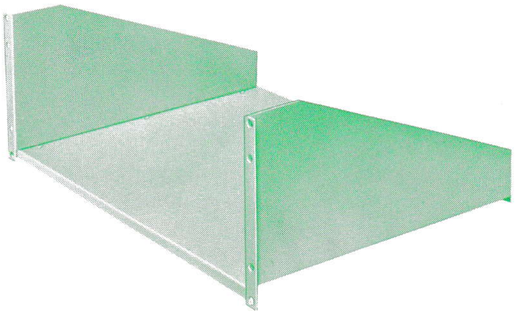
The Model SD7-16 is a 16 gauge CRS storage drawer. The slide mechanism is the same as used on the Model PD10-16 phono drawer. See Model PD10-16 for specifications. The storage drawer may be used for tape, records, microphones and other accessories. As on the Model PD10-16 phono drawer, the standard finish is grey hammertone. Other colors are available upon request. Consult price list for other standard colors.

The Model SD7-165 is similar to the Model SD7-16 except that the slides extend to 16″ in the open position. The chassis is easily removed from the front of the drawer assembly. The load rating is 100 lbs.

The Model SD10-16 is similar to the Model SD7-16 except that the panel space is 10½″. All other features remain the same.

The Model SD10-165 is similar to the Model SD10-16 except that the slides extend to 16″ in the open position. The extended slides have the same features as the slides on the Model PD10-165 phono drawer.

Model	Description	Overall Depth	Chassis Size	Panel Space	Wt.	Used in Series
PD10-16	Phono Drawer	16½″	16″ x 16¼″ x 3½″	10½″	19 lbs	100, 200
PD10-165	Phono Drawer	16½″	16″ x 16¼″ x 3½″	10½″	19 lbs	100, 200
PD10-14	Phono Drawer	14½″	14″ x 16¼″ x 3½″	10½″	17 lbs	100, 200, 300
PD10-145	Phono Drawer	14½″	14″ x 16¼″ x 3½″	10½″	17 lbs	100, 200, 300
SD7-16	Storage Drawer	16½″	16″ x 16¼″ x 6⅜″	7″	18 lbs	100, 200
SD7-165	Storage Drawer	16½″	16″ x 16¼″ x 6⅜″	7″	18 lbs	100, 200
SD10-16	Storage Drawer	16½″	16″ x 16¼″ x 9⅞″	10½″	20 lbs	100, 200
SD10-165	Storage Drawer	16½″	16″ x 16¼″ x 9⅞″	10½″	20 lbs	100, 200



SH SERIES SHELF ASSEMBLY

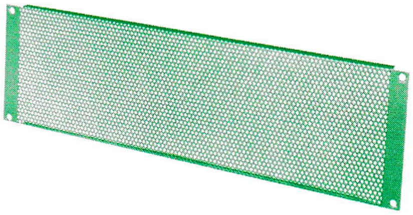
The Model SH19-7 shelf assembly is constructed of 16 gauge CRS and is easily mounted to the panel mount rails of all standard 19″ racks. This unit requires a 7″ panel space. It may be used to mount equipment that does not have rack mount facilities such as power supplies, amplifiers, relay packs, tone generators and other accessory items. The standard finish is grey hammertone. Other colors are available upon request. Consult price list for other standard colors. The SH19-7 shelf assembly measures 17½″ wide x 14″ deep.

CT SERIES ROLLER TRUCK

The Model CT1020 roller truck is a 16 gauge CRS roller truck designed for the Soundolier 100 Series and 200 Series equipment cabinets. Each truck has four 3″ ball bearing casters with locks on the front casters to keep the rack in place. The load capacity is 400 lbs. The corners are reinforced for added rigidity. The standard finish is grey hammertone. Other colors are available upon request. Consult price list for other standard colors. The CT1020 roller truck measures 24 13/16″ wide x 21″ deep.

S19 SERIES

A19 SERIES



SVP SERIES

SVP SERIES VENT PANELS

The Model SVP19-1 thru SVP19-12 vent panels are constructed of 22 gauge perforated CRS with 1/8″ round holes on 3/16″ staggered centers. Two sides are formed for rigidity. The formed edges are hemmed to eliminate sharp edges. Panel mounting holes are round for a neater appearance. Perforated design assures maximum heat dissipation. The standard finish is grey hammertone. Other colors are available upon request. Consult price list for other standard colors.

S19 AND A19 SERIES BLANK PANELS

The Models S19-1 thru S19-21 and A19-1 thru A19-21 are constructed of 1/16″ thick CRS and 1/8″ thick aluminum respectively. The CRS panels have two formed edges for rigidity. All panel mount holes are round for a neater appearance. The standard finish is grey hammertone. Other colors are available upon request. Consult price list for other standard colors.

	BLANK PANELS		VENT PANELS
Panel Space	Model No. Steel	Model No. Aluminum	Model No. Steel
1¾″	S19-1	A19-1	SVP19-1
3½″	S19-3	A19-3	SVP19-3
5¼″	S19-5	A19-5	SVP19-5
7″	S19-7	A19-7	SVP19-7
8¾″	S19-8	A19-8	SVP19-8
10½″	S19-10	A19-10	SVP19-10
12¼″	S19-12	A19-12	SVP19-12
14″	S19-14	A19-14	—
15¾″	S19-15	A19-15	—
17½″	S19-17	A19-17	—
19¼″	S19-19	A19-19	—
21″	S19-21	A19-21	—

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AMPLIFIER WALL CABINET

AWR-3

NEW!

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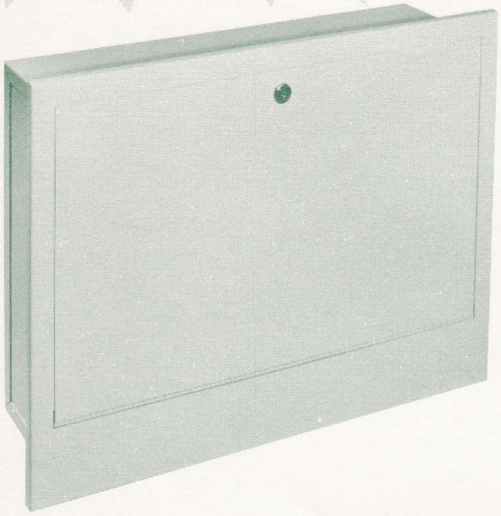
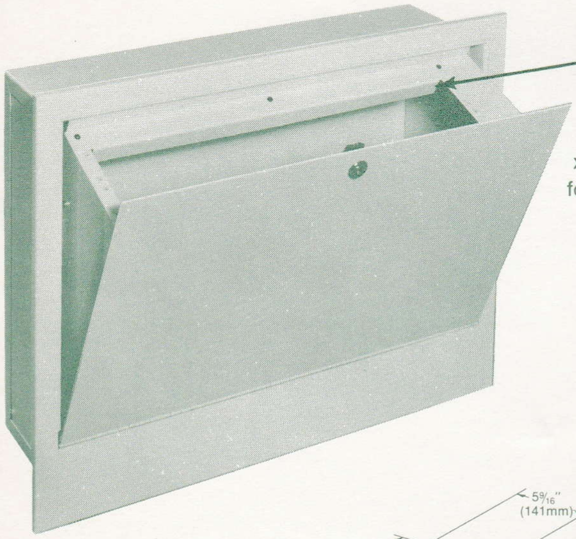
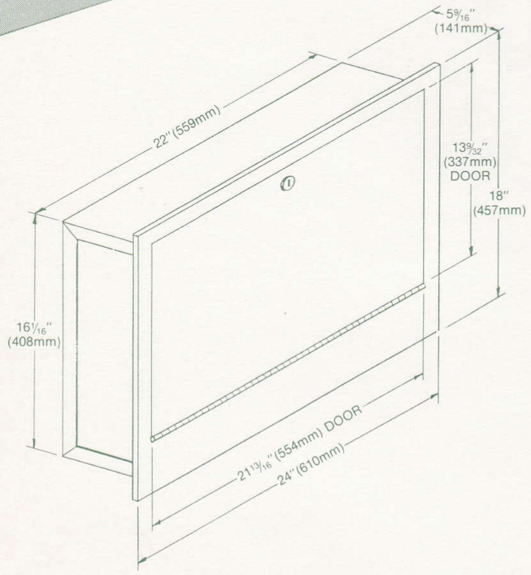


AWR-3





FEATURES

- Tamperproof
- Built-in Door Stops
- Convenient Blank Panel Area
- Tilt-out Door/Chassis Assembly
- Complete With Keylock Assembly

Soundolier Model AWR-3 is an amplifier wall cabinet designed for recessed mounting. When installed, the front surface is flush with the wall and is tamperproof.

The unit has standard 19"(483mm) panel mounting space of 3½"(89mm) on a tilt-out door/chassis assembly. Mounting holes are standard EIA spacing and accepts 10-32 mounting hardware. Adjacent to the panel mounting holes on the right side of the chassis is a convenient blank panel area 1½"(38mm) x 5"(127mm) where additional switches may be mounted if required.

The front door and the door frame assembly is constructed of sturdy 14 gauge CRS. Front door keylock is flush and comes with two keys. Door is attached to frame with a piano hinge. Door stops are welded on the door frame preventing the door from closing improperly. Backbox is constructed of 16 gauge CRS throughout with 7 knockouts on bottom panel for wire entry. External tampering is prevented by a unique method of attaching door frame to the backbox internally. Front door frame size is 18"(457mm) high, 24"(610mm) long and protrudes a slim ⅜"(10mm) from wall surface.

Entire assembly is shipped complete finished inside and out with Soundolier Light Satin Beige.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The wall amplifier cabinet shall be Soundolier Model AWR-3 or approved equal. The backbox shall be constructed of 16 gauge CRS. The door and door frame shall be constructed of 14 gauge CRS. Unit shall be tamperproof via internal mounting of door frame to backbox and shall be supplied with a keylock assembly with keys. The backbox shall have 7 knockouts on the bottom for wire entry. Door/chassis assembly shall be securely fastened to door frame via piano hinge and shall have door stops to prevent improper door closing. Unit shall be painted _______________ (If no color is specified Soundolier Light Satin Beige will be furnished).

MODEL	MOUNTING TYPE	WEIGHT
AWR-3	Recessed	32 lbs.

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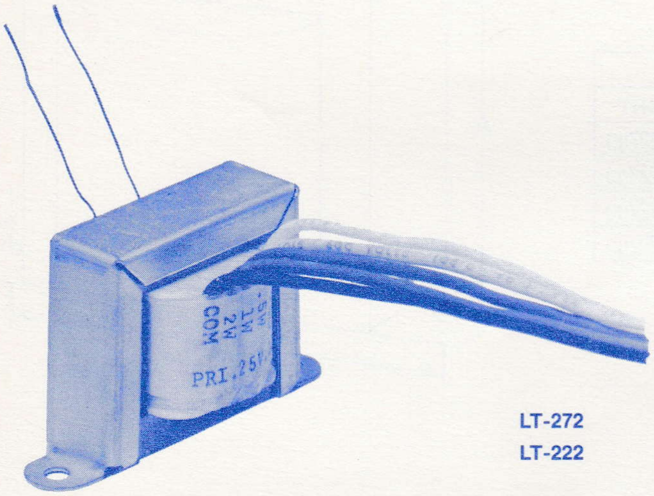
LINE TRANSFORMERS

LT-272
LT-222
LT-471
LT-421

TWO NEW LINE TRANSFORMERS FROM SOUNDOLIER

WE NOW HAVE TRANSFORMERS THAT GO ALL THE WAY DOWN TO 1/4 WATT AND 1/8 WATT TAPS.



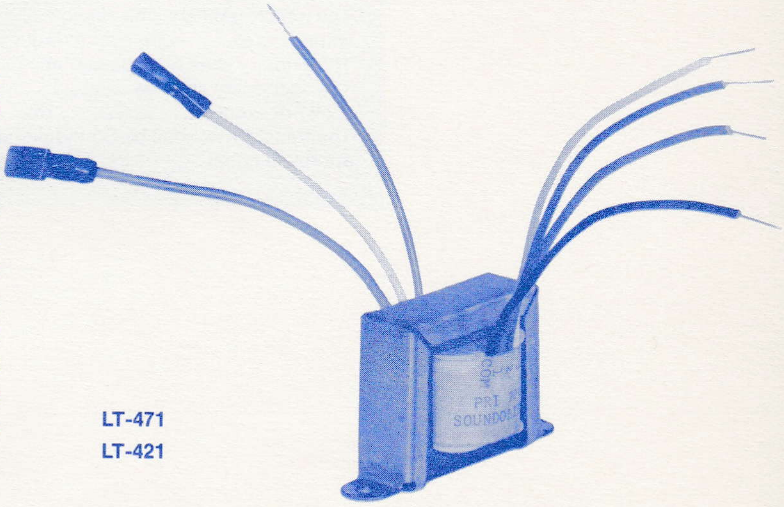
LT-272
LT-222

Models LT-272 and LT-222 2 watt transformers

Models LT-272 and LT-222 are standard grade economy line transformers for general audio installations. The insertion loss does not exceed 1.5db with a frequency response of ± 1.5db from 100 HZ - 10 KHZ. The primary taps are .25, .5, 1 and 2 watts. The secondary impedance is 8 ohms. Model LT-272 is designed for 70.7 volt lines and Model LT-222 is designed for 25 volt lines. See detailed specifications on reverse side.

Models LT-471 and LT-421 4 watt transformers

Models LT-471 and LT-421 are also standard grade economy line transformers. The insertion loss does not exceed 1.5 db with a frequency response of ± 1.5db from 100 HZ - 10 KHZ. The primary taps are .125, .25, .5, 1, 2 and 4 watts. The secondary impedance is 8 ohms. Each unit has four leads on the primary and three leads on the secondary. Two of the leads on the secondary have fast on leads. One of the fast on leads connected to the speaker provide .125, .5 and 2 watts on the primary leads. The other fast on lead provides .25, 1 and 4 watt taps on the primary leads. Model LT-471 is designed for 70.7 volt lines and Model LT-421 for 25 volt lines. See detailed specifications on reverse side.



LT-471
LT-421

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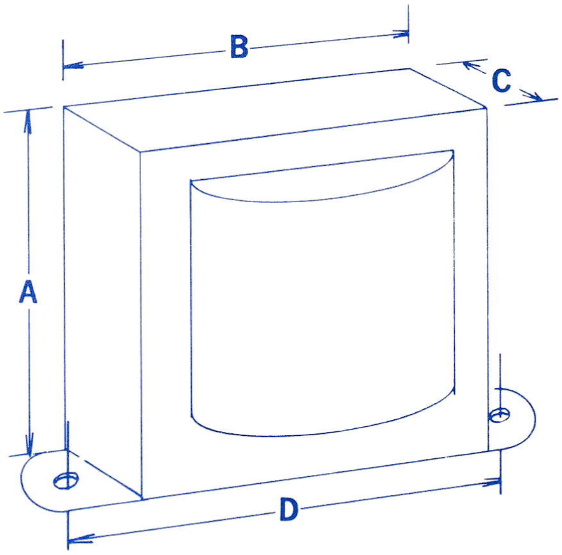
SPECIFICATIONS

MODEL NO.	PRI. VOLTS	FREQUENCY RESPONSE	PRIMARY TAPS	SECONDARY IMPEDANCE	INSERTION LOSS	PRIMARY TERMINATIONS	SECONDARY TERMINATIONS	CORE SIZE	POWER RATING
LT-272	70.7	±1.5db—100Hz-10KHz	.25, .5, 1 & 2W	8 OHMS	1.5db	6"(152mm) COLOR CODED	3"(76mm) SELF LEADS	⅝"x⅝"(16x16mm)	2 WATTS
LT-222	25	±1.5db—100Hz-10KHz	.25, .5, 1 & 2W	8 OHMS	1.5db	"	"	⅝"x⅝"(16x16mm)	2 WATTS
LT-471	70.7	±1.5db—100Hz-10KHz	.125, .25, .5, 1, 2 & 4 Watts	8 OHMS	1.5db	Four 6"(157mm) leads color coded	Three Leads. One common, Two with fast on terminals	⅝"x⅝"(16x16mm)	4 WATTS
LT-421	25	±1.5db—100Hz-10KHz	.125, .25, .5, 1 2 & 4 Watts	8 OHMS	1.5db			⅝"x⅝"(16x16mm)	4 WATTS



DIMENSIONS

MODEL NO.	A	B	C	D	WEIGHT
LT-272	1⅝"(41mm)	$1\frac{31}{32}$"(50mm)	$\frac{23}{32}$"(18mm)	2⅜"(60mm)	.5 lbs(227g.)
LT-222	1⅝"(41mm)	$1\frac{31}{32}$"(50mm)	$\frac{23}{32}$"(18mm)	2⅜"(60mm)	.5 lbs(227g.)
LT-471	1⅝"(41mm)	$1\frac{31}{32}$"(50mm)	$\frac{23}{32}$"(18mm)	2⅜"(60mm)	.5 lbs(227g.)
LT-421	1⅝"(41mm)	$1\frac{31}{32}$"(50mm)	$\frac{23}{32}$"(18mm)	2⅜"(60mm)	.5 lbs(227g.)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The transformer shall be capable of delivering its full rated power within ± ________ db over a frequency range of ________ Hz. The primary shall have power taps of ________ watts. The secondary shall be ________ ohms. The insertion loss shall not exceed ________ db. The transformer shall be Soundolier Model ________ or approved equal.

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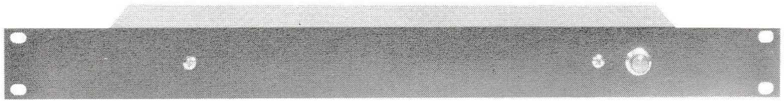
GENERAL PURPOSE
DIGITAL NOISE GENERATOR

GPN-1200

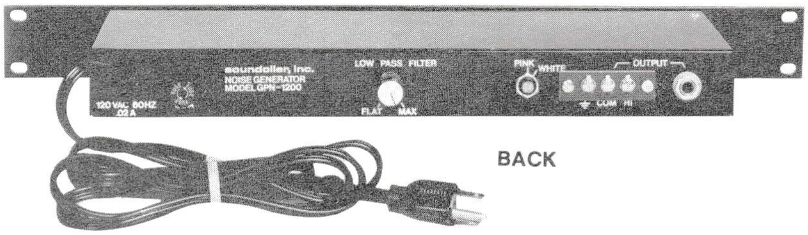
soundolier, inc.

NEW! DIGITAL NOISE GENERATOR



FRONT

GPN-1200



BACK

Soundolier Model GPN-1200 is a digital generator with a switchable output capable of producing either pink or white noise. Its carefully engineered quality provides a unit suitable for masking systems, sound system equalization or for audio equipment testing. Its output level will match input circuits of most commercially available equalizers and amplifiers. This high quality unit is mounted to a rugged 19″ x 1¾″ rack panel for easy installation. The rear mounted controls prevent unauthorized tampering. Standard finish is black semi-gloss enamel.

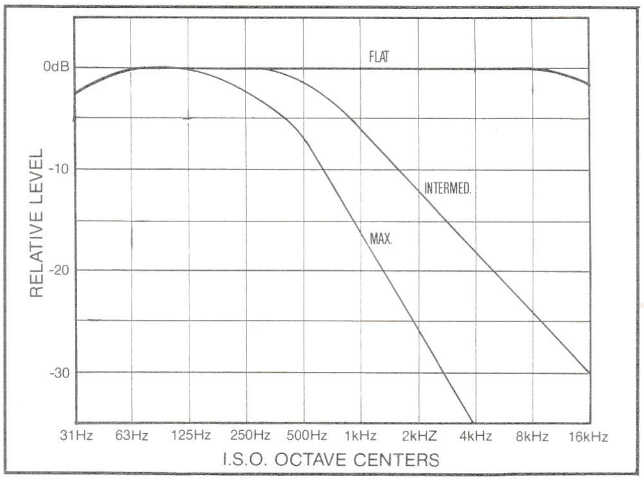
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The digital noise generator shall be Soundolier Model GPN-1200 or approved equal. It shall be capable of producing either pink or white noise with an output level of .8V into 600 ohms (0dbm). It shall have an adjustable low pass filter adjustable from 16KHZ to 250HZ at 12db per octave. The unit shall have a built-in power supply (117 VAC at 60HZ input) and be pre-mounted to a standard 19″ x 1¾″ rack panel. All controls shall be rear mounted to prevent unauthorized tampering. Output connections consisting of screw terminals and ¼″ phone jack shall be provided. Finish shall be black semi-gloss baking enamel.

SPECIFICATIONS

1. Digital Noise source. Pink noise at 25 HZ to 20KHZ ± 2db.
2. Adjustable low pass filter allows use of this generator in a sound masking system. The filter is adjustable from 16KHZ to 250HZ at 12db/octave.
3. Provides either white or pink noise. (Switch selectable).
4. Built-in power supply. (117VAC @ 60HZ input). (Fuse replaceable from rear).
5. Output level - .8V into 600 ohms (0dbm).
6. Generator is mounted on a standard 19″ x 1¾″ rack panel.
7. All controls are rear mounted. (Low pass filter and white/pink selector switch).
8. Output connections by means of a ¼″ phone jack or screw terminals. (Both are provided).
9. Finish is semi-gloss black enamel.

EFFECT OF LOW PASS FILTER ON PINK NOISE OUTPUT.



SL 1265
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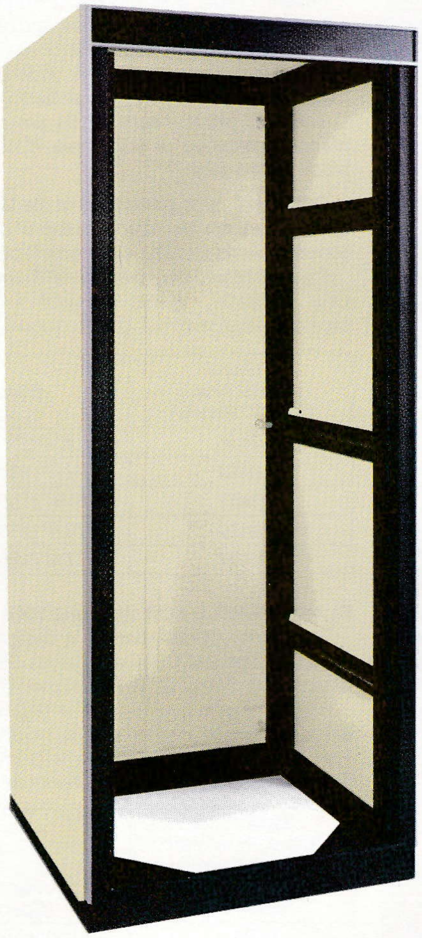
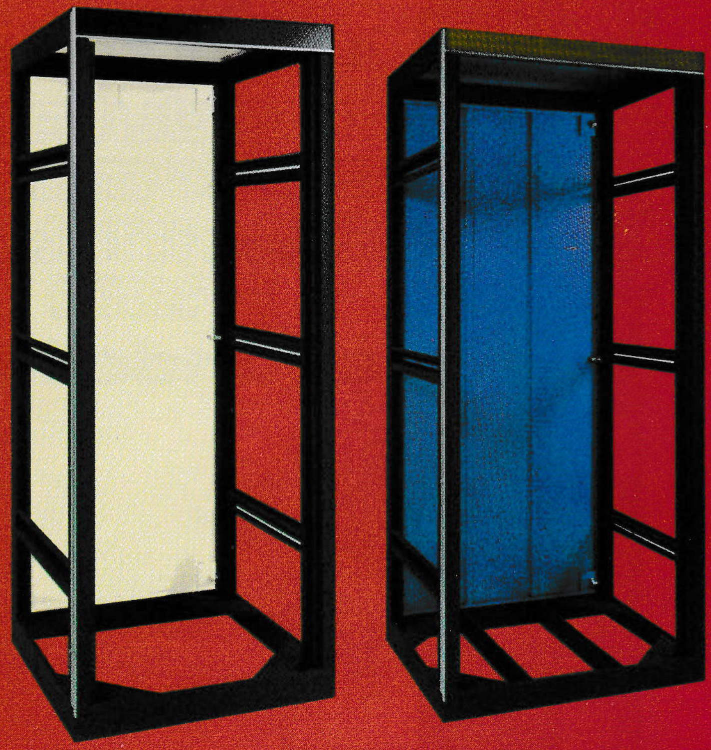


select series
MODULAR EQUIPMENT CABINETS FROM
soundolier

**VERTICAL RACKS
FOR 24″ AND 30″
WIDE PANELS**

**24″ AND 30″ WIDE
STEEL RACK PANELS**

SELECT SERIES VERTICAL RACKS



- ATTRACTIVE 2 TONE DESIGN
- CHOICE OF COLOR COMBINATIONS
- QUALITY CONSTRUCTION
- EASY ACCESS TO EQUIPMENT
- DECORATIVE INSERT PANELS
- ALL HARDWARE FURNISHED
- OPEN SIDES FOR EASY WIRING
- MODULAR CONCEPT
- TRIM LINES
- RECESSED DOOR PULL
- 25½"(648mm) DEEP
- SIMPLE ASSEMBLY
- REMOVABLE TOP PANEL
- TAPPED MOUNTING RAIL

STEEL RACK PANELS

- FLUSH APPEARANCE
- STANDARD COLORS AVAILABLE

Soundolier's 2400 and 3000 **select series** cabinets are vertical racks designed for modular installations. The 2400 Series accepts 24"(610mm) wide panels. The 3000 Series accepts 30"(762mm) wide panels. The excellent aesthetics of these cabinets include extruded aluminum side and top trim, decorative laminate insert panels as well as optional side panels to provide all the necessary components to construct a modular enclosure system for any requirements.

BASIC RACK CONSISTS OF:

- **Frame**
- **Rear Door**
- **Top Panel**
- **Mounting Rails**
- **Horizontal Aluminum Trim**

BASIC RACK ALSO REQUIRES: (Order Separately)

- **Decorative Insert Panel**
- **Vertical Aluminum Side Trim**

Construction is done with spot and MIG welding. Mounting angles are 11 gauge CRS tapped 10-32 on E.I.A. spacing. Side panels, top, rear door and frame are 16 gauge CRS. Horizontal and vertical side trim are satin clear anodized aluminum. Frame is tapped to accept casters. Top panel is removable. Decorative insert is plastic laminate. Rear door has lock and can be easily removed by pulling spring loaded hinge pins at top and bottom.

Finish: Frame and mounting angles are painted textured flat black baking enamel. Top panel, sides, and doors can be ordered in two standard colors Royal Blue (color #35) or Satin Beige (color #31). Suffix model number with your choice, i.e. 3036-35 for royal blue. Other colors are available but require additional lead time.

The decorative insert panels are offered in four colors, black, brick orange, teakwood or royal blue. If no color is specified when ordering, black will be sent.

OPTIONS: Side panels are of the lift-off type for easy access to equipment. Sides are also constructed of 16 gauge CRS. Side panels can be secured. Sides must be ordered left or right side as you face cabinet front.

Casters Model Number **CS-8PR** consists of one pair of swivel casters. One complete cabinet requires 4 casters (two CS-8PR). Adjoining cabinets require only 2 casters (one CS-8PR) at juncture.

Cabinet Model Nos. (for 24" Panels)	Panel Space	Cabinet Model Nos. (for 30" Panels)
2436	36⅞"(937mm)	**3036**
2442	42⅛"(1070mm)	**3042**
2461	61⅜"(1559mm)	**3061**
2470	70⅛"(1781mm)	**3070**
2477	77⅛"(1959mm)	**3077**

BLANK PANELS FOR 2400 and 3000 SERIES

This series of rack panels is designed for Soundolier 2400 and 3000 Series Equipment Cabinets. Series S224 is designed for the 2400 Series cabinet and Series S230 is designed for the 3000 Series cabinet.

All models are constructed of 16 gauge CRS with baked enamel finish. Standard colors are Royal Blue (#35) and Soundolier Light Beige (#31). Panels are constructed with a ⅝"(16mm) return on all sides to provide a flush installation in the equipment cabinet.

S224 Series Blank Panels for 2400 Series Vertical Racks Model Nos.	Panel Space	S230 Series Blank Panels for 3000 Series Vertical Racks Model Nos.
S224-1	1¾"(44mm)	**S230-1**
S224-3	3½"(89mm)	**S230-3**
S224-5	5¼"(133mm)	**S230-5**
S224-7	7"(178mm)	**S230-7**
S224-8	8¾"(222mm)	**S230-8**
S224-10	10½"(267mm)	**S230-10**
S224-12	12¼"(311mm)	**S230-12**
S224-14	14"(356mm)	**S230-14**
S224-15	15¾"(400mm)	**S230-15**
S224-17	17½"(445mm)	**S230-17**
S224-19	19¼"(489mm)	**S230-19**
S224-21	21"(533mm)	**S230-21**
S224-24	24½"(622mm)	**S230-24**
S224-28	28"(711mm)	**S230-28**

Printed in U.S.A.

select series

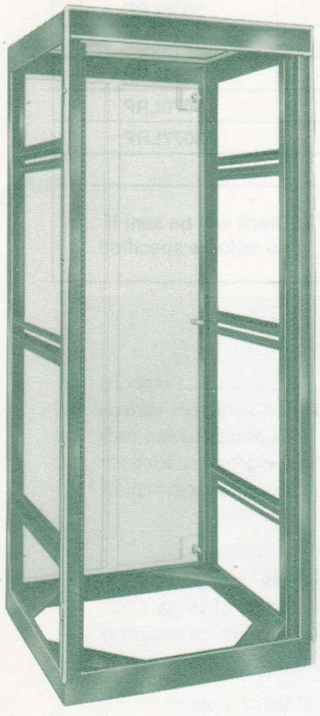
VERTICAL RACKS

2436 2470 / 3036 3070
2442 2477 / 3042 3077
2461 / 3061

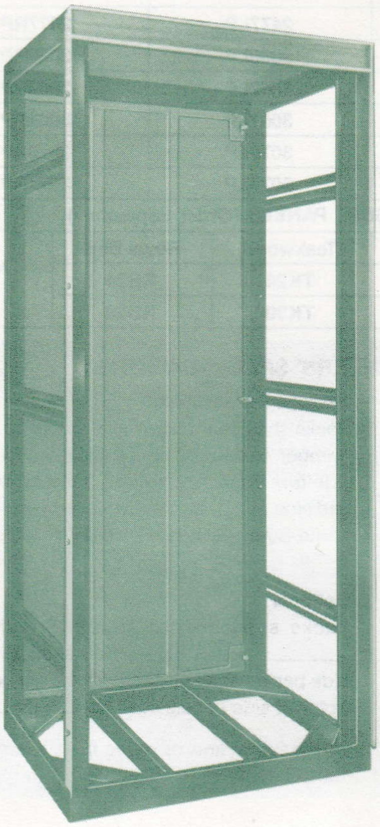
24"/30"

CABINETS FOR 24" and 30" WIDE PANELS

soundolier



2461



3077

FEATURES:

- Modular concept
- Attractive 2 tone design
- Trim lines
- Recessed door pull
- Choice of color combinations
- 25½"(648mm) deep
- Quality construction
- Easy access to equipment
- Simple assembly
- Decorative insert panels
- All hardware furnished
- Open sides for easy wiring
- Removable top panel
- Tapped Mounting Rail

BASIC RACK CONSISTS OF:

- Frame
- Horizontal Aluminum Trim
- Top Panel
- Rear Door
- Mounting Rails

BASIC RACK ALSO REQUIRES: (Order Separately)

- Decorative Insert Panel
- Vertical Aluminum Side Trim

Construction is done with spot and MIG welding. Mounting angles are 11 ga. CRS tapped 10-32 on E.I.A. spacing. Side panels, top, rear door and frame are 16 ga. CRS. Horizontal and vertical side trim are satin clear anodized aluminum. Frame is tapped to accept casters. Top panel is removable. Decorative insert is plastic laminate. Rear door has lock and can be easily removed by pulling spring loaded hinge pins at top and bottom.

Finish

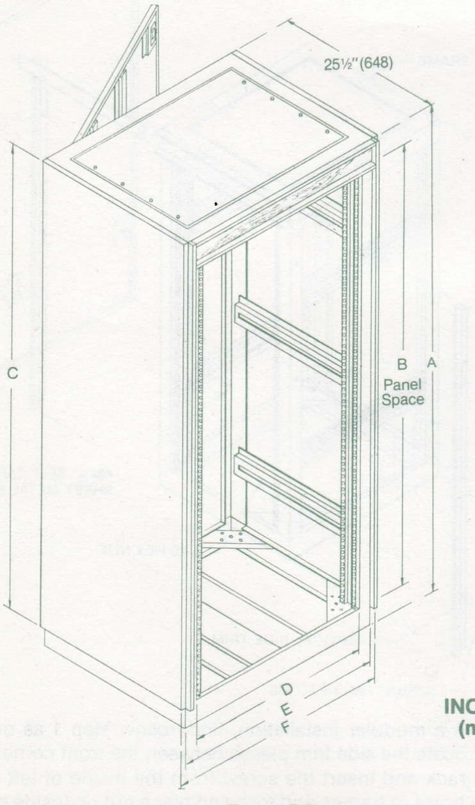
Frame and mounting angles are painted textured flat black baking enamel. Top panel, sides, and doors can be ordered in two standard colors Royal Blue (color No. 35) or Satin Beige (color No. 31). Suffix model no. with your choice of color, i.e., 2436-35 for royal blue. Other colors are available but require additional lead time.

The decorative insert panels are offered in four colors, black, brick orange, teakwood or royal blue. If no color is specified when ordering black will be sent.

Options

Side panels are of the lift-off type for easy access to equipment. Sides are also constructed of 16 ga. CRS. Side panels can be secured. Sides must be ordered left or right side as you face cabinet front. Louvered side panels are also available.

Casters Model No. **CS-8PR** consists of one pair of swivel casters. One complete cabinet requires 4 casters (two CS-8PR). Adjoining cabinets require only 2 casters (one CS-8PR) at juncture.



DIMENSIONS

Model No.	Dim. "A"	Dim. "B" Panel Space	Dim. "C"	Dim. "D"	Dim. "E"	Dim. "F"
2436	42⅞"(1089)	36⅞"(937)	40⅜"(1026)	24⅛"(613)	27⅛"(689)	28⅜"(721)
2442	48⅛"(1222)	42⅛"(1070)	45⅝"(1159)	24⅛"(613)	27⅛"(689)	28⅜"(721)
2461	67⅜"(1711)	61⅜"(1559)	64⅞"(1648)	24⅛"(613)	27⅛"(689)	28⅜"(721)
2470	76⅛"(1933)	70⅛"(1781)	73⅝"(1870)	24⅛"(613)	27⅛"(689)	28⅜"(721)
2477	83⅛"(2111)	77⅛"(1959)	80⅝"(2048)	24⅛"(613)	27⅛"(689)	28⅜"(721)
3036	42⅞"(1089)	36⅞"(937)	40⅜"(1026)	30⅛"(765)	33⅛"(841)	34⅜"(873)
3042	48⅛"(1222)	42⅛"(1070)	45⅝"(1159)	30⅛"(765)	33⅛"(841)	34⅜"(873)
3061	67⅜"(1711)	61⅜"(1559)	64⅞"(1648)	30⅛"(765)	33⅛"(841)	34⅜"(873)
3070	76⅛"(1933)	70⅛"(1781)	73⅝"(1870)	30⅛"(765)	33⅛"(841)	34⅜"(873)
3077	83⅛"(2111)	77⅛"(1959)	80⅝"(2048)	30⅛"(765)	33⅛"(841)	34⅜"(873)

SL 1272
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2400 AND 3000 SERIES VERTICAL RACKS

Model No.	Color Suffixes		Required Aluminum Vertical Side Trim (Order Separately)	Side Panels		
	Royal Blue	Satin Beige		Left	Right	Left and Right
2436	-35	-31	2436ST	2436LP	2436RP	2436LRP
2442	-35	-31	2442ST	2442LP	2442RP	2442LRP
2461	-35	-31	2461ST	2461LP	2461RP	2461LRP
2470	-35	-31	2470ST	2470LP	2470RP	2470LRP
2477	-35	-31	2477ST	2477LP	2477RP	2477LRP
3036	-35	-31	3036ST	3036LP	3036RP	3036LRP
3042	-35	-31	3042ST	3042LP	3042RP	3042LRP
3061	-35	-31	3061ST	3061LP	3061RP	3061LRP
3070	-35	-31	3070ST	3070LP	3070RP	3070LRP
3077	-35	-31	3077ST	3077LP	3077RP	3077LRP

REQUIRED DECORATIVE INSERT PANELS (Order Separately)

Color	Cabinet Series	Black	Brick Orange	Teakwood	Royal Blue	
Model Numbers	2400	BK24	OR24	TK24	RB24	**NOTE:** Black will be sent if no color is specified.
	3000	BK30	OR30	TK30	RB30	

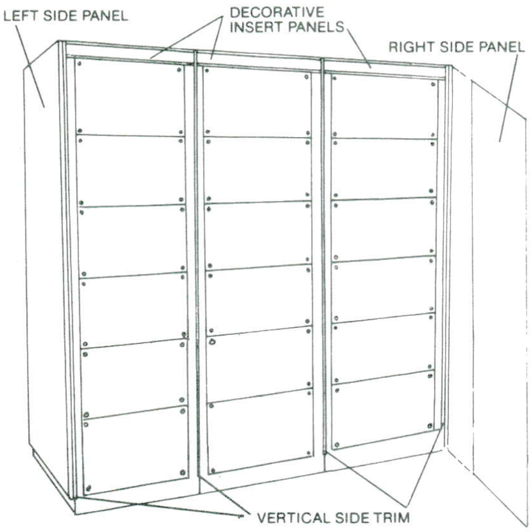
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

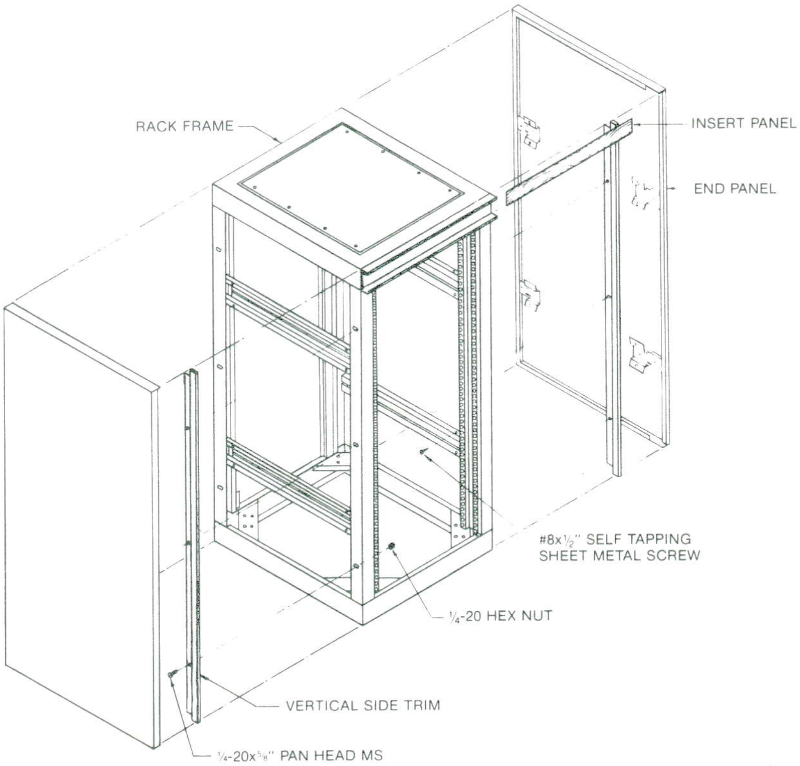
The equipment rack shall be a Soundolier select series rack model number ________________ or approval equal. It shall be constructed of 16 ga. CRS and shall have 11 ga. CRS adjustable mounting rails. Mounting rails shall be tapped for 10-32 machine screws on EIA spacing. Cabinet depth shall be 25½"(648mm). Racks shall be open on all sides and bottom to facilitate wiring of components. It shall have a rear door supported on spring loaded hinges and shall be equipped with a cylinder lock. Finish of cabinet shall be two tone design with black baking enamel on frame, mounting rails and base. Color of top panel and back door shall be ________ (specify color.) Plastic laminate decorative inserts shall be provided in ______________ (specify color). Horizontal and vertical side trim shall be satin clear anodized aluminum. Base shall be tapped to accept casters. Vertical side trim model number ____ ______ (specify size) shall be provided between frame and sides.

Modular Installations:
Racks shall be installed in a row of ________________ (specify number of cabinets to be installed in row) and sufficient vertical side trim shall be provided between each rack and between rack and side panel. Decorative insert panels shall be provided for each frame. Sufficient hardware shall be supplied to complete installation.

Optional
Racks shall be provided with side panels model number ____________. Side panels shall be constructed of 16 ga. CRS. Side panels shall be of the lift-off type with provisions for securing. Color of side panels shall be ________________ (specify color).

Single frame and/or entire installation shall be on casters model number CS8PR.





SINGLE UNIT ASSEMBLY INSTRUCTIONS:

(1) Slide decorative insert panel into top aluminum trim piece.

(2) Locate side aluminum trim pieces. Secure with ¼-20 x ⅝" Pan Head MS and hex nuts. Insert screw from outside and place nut on inside.

(3) End panels slide on without any hardware, hold panel above top of frame about 2" and gently let it slide down, resting on cross members of frame.

(4) If desired, insert #8 x ½" self tapping sheet metal screw through hole in cross member into end panel retainer angle.

NOTE: In a modular installation, first, follow step 1 as outlined above. Locate the side trim pieces between the front corner posts of each rack and insert the screw from the inside of left frame, through holes in frames and trim and place nut on inside of right frame. Same procedure at rear except no trim. Secure end panels as outlined in steps 3 and 4 above at each end of the installation.

Complete assembly instruction are sent with each unit.

soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

DISTRIBUTOR NET
PRICE LIST
April, 1982

New Select Series Modular Cabinets

Freight Policy C: F.O.B. St. Louis, Mo. No freight allowance.

Model No.	Description	List	Dealer Net	DISTRIBUTOR NET 1	2-15	16-32	33-53	54-78	79-100
SELECT SERIES SLOPE FRONT CONSOLES									
1044LS	Slope Front Console, 1044 type console without writing surface, has provision for mounting writing surface	595.60	357.36	238.24	231.29	223.46	216.51	209.55	202.59

NOTE: Side Trim, panels, and other options for the 1044LS are the same as used for the 1044 Slope Front Console. Consult current price booklet for models and pricing.

Model No.	Description	List	Dealer Net	DISTRIBUTOR NET 1	2-15	16-32	33-53	54-78	79-100
1047	Slope Front Console, no writing surface mounting provision	550.48	330.29	220.19	213.76	206.53	200.10	193.67	187.24
1047STA	Top side trim for 1047	40.40	24.24	16.16	15.68	15.19	14.71	14.22	13.74
1047STB	Bottom side trim for 1047	43.00	25.80	17.20	16.68	16.16	15.68	15.15	14.63
TK1	Teakwood decorative insert for 1047	5.15	3.09	2.06	2.00	1.94	1.88	1.81	1.75
BK1	Black decorative insert for 1047	5.15	3.09	2.06	2.00	1.94	1.88	1.81	1.75
RB1	Royal Blue decorative insert for 1047	5.15	3.09	2.06	2.00	1.94	1.88	1.81	1.75
OR1	Orange decorative insert for 1047	5.15	3.09	2.06	2.00	1.94	1.88	1.81	1.75
1047RP	Right panel for 1047	127.25	76.35	50.90	49.37	47.85	46.32	44.79	43.27
1047LP	Left panel for 1047	127.25	76.35	50.90	49.37	47.85	46.32	44.79	43.27
1047LRP	One pair of left and right panels for 1047	219.93	131.96	87.97	85.33	82.69	80.05	77.41	74.78
1047RD	Rear door for 1047	103.33	62.00	41.33	40.09	38.85	37.61	36.37	35.13
1047LMR	One pair of lower mounting rails for 1047	26.18	15.71	10.47	10.16	9.84	9.53	9.21	8.90
1047UMR	One pair of upper mounting rails for 1047	24.03	14.42	9.61	9.32	9.03	8.75	8.46	8.17
S219-15	Top panel for 1047	25.18	15.11	10.07	9.77	9.47	9.16	8.86	8.56
S219-28	Lower front panel for 1047	33.68	20.21	13.47	13.07	12.67	12.27	11.85	11.44
SELECT SERIES 45° WEDGE SECTIONS									
1044-45	Forty-five degree Wedge Section	452.33	271.40	180.93	175.65	169.71	164.42	159.14	153.86
TK1-45	Teakwood insert for 1044-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
BK1-45	Black insert for 1044-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
RB1-45	Royal Blue insert for 1044-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
OR1-45	Orange insert for 1044-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
SELECT SERIES WRITING SURFACE ASSEMBLIES (Mount to 1044LS Only)									
TKS144-45	Teakwood 45° Writing Surface Assembly	269.53	161.72	107.81	104.74	101.68	98.10	95.04	91.97
WHS144-45	White 45° Writing Surface Assembly	269.53	161.72	107.81	104.74	101.68	98.10	95.04	91.97
TKS144-90	Teakwood 90° Writing Surface Assembly	271.75	163.05	108.70	105.61	102.51	98.91	95.82	92.72
WHS144-90	White 90° Writing Surface Assembly	271.75	163.05	108.70	105.61	102.51	98.91	95.82	92.72
SELECT SERIES 45° TURRET WEDGE SECTIONS									
714-45	45° turret Wedge Section for 700-14	231.55	138.93	92.62	89.92	87.22	84.23	81.53	78.83
TK3-45	Teakwood decorative insert for 714-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
BK3-45	Black decorative insert for 714-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
RB3-45	Royal Blue decorative insert for 714-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
OR3-45	Orange decorative insert for 714-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
719-45	45° Turret Wedge Section for 700-19	259.30	155.58	103.72	100.69	97.65	94.29	91.26	88.23
TK4-45	Teakwood decorative insert for 719-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
BK4-45	Black decorative insert for 719-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
RB4-45	Royal Blue decorative insert for 719-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52
OR4-45	Orange decorative insert for 719-45	4.45	2.67	1.78	1.73	1.67	1.62	1.57	1.52

Model No.	Description	List	Dealer Net	Distributor Net
SELECT SERIES MONITOR PANELS				
MVX293	Monitor Panel with V.U. meter	268.25	160.95	107.30
MX293	Monitor Panel without V.U. meter	200.70	120.42	80.28
MVX295	Monitor Panel with V.U. meter	290.93	174.56	116.37
MVX2910	Monitor Panel with V.U. meter	282.85	169.71	113.14
MX2910	Monitor Panel without V.U. meter	220.95	132.57	88.38
SELECT SERIES POWER PANELS				
ACR293	Power Panel with rocker switch	181.80	109.08	72.72
ACK293	Power Panel with keylock switch	203.38	122.03	81.35

See Other Side for Additional Prices

New 25½" Deep 502 Series Multi Rack

Freight Policy C: F.O.B. St. Louis, Mo. No freight allowance.

Model No.	Description	List	Dealer Net	Distributor Net
502-61	Basic Multi-Rack	569.58	341.75	**227.83**
502-70	Basic Multi-Rack	607.88	364.73	**243.15**
502-77	Basic Multi-Rack	660.35	396.21	**264.14**
510-61	Front Door for 502-61	116.90	81.83	**58.45**
510-70	Front Door for 502-70	129.36	90.55	**64.68**
510-77	Front Door for 502-77	136.80	95.76	**68.40**
530-61	Mounting Rails for 502-61	74.54	52.18	**37.27**
530-70	Mounting Rails for 502-70	84.12	58.88	**42.06**
530-77	Mounting Rails for 502-77	91.96	64.37	**45.98**
542-61	Side Panels for 502-61	234.25	140.55	**93.70**
542-70	Side Panels for 502-70	258.85	155.31	**103.54**
542-77	Side Panels for 502-77	278.60	167.16	**111.44**

New 12" Speakers

Freight Policy D: Prices shown are distributor net. No further discounts apply. Freight allowed $3.00/cwt. for 144 speakers or more (types may be mixed for freight discount). Model numbers may not be mixed for price break.

Model No.	Description	List	Dealer Net	DISTRIBUTOR NET 1-29	DISTRIBUTOR NET 30 or more
12" SPEAKER WITH WHIZZER CONE, 10 OZ. MAGNET					
C1210W	12" speaker with whizzer cone, 10 oz magnet	36.14	21.68	**13.00**	**12.00**
C1210WT87	C1210W with HT-87 transformer	58.21	34.93	**20.94**	**20.03**
C1210WT82	C1210W with HT-82 transformer	58.21	34.93	**20.94**	**20.03**
C1210WT47	C1210W with HT-47 transformer	51.93	31.16	**18.68**	**17.77**
C1210WT42	C1210W with HT-42 transformer	51.93	31.16	**18.68**	**17.77**
C1210WT70	C1210W with LT-70 transformer	41.09	24.65	**14.78**	**13.87**
C1210WT25	C1210W with LT-25 transformer	41.09	24.65	**14.78**	**13.87**
12" SPEAKER WITH WHIZZER CONE, 18 OZ. MAGNET					
C1218W	12" speaker with whizzer cone, 18 oz. magnet	55.60	33.36	**20.00**	**18.60**
C1218WT87	C1218W with HT-87	77.67	46.60	**27.94**	**26.54**
C1218WT82	C1218W with HT-82	77.67	46.60	**27.94**	**26.54**
C1218WT47	C1218W with HT-47	71.39	42.83	**25.68**	**24.28**
C1218WT42	C1218W with HT-42	71.39	42.83	**25.68**	**24.28**
C1218WT70	C1218W with LT-70	60.55	36.33	**21.78**	**20.38**
C1218WT25	C1218W with LT-25	60.55	36.33	**21.78**	**20.38**

SEE OTHER SIDE FOR ADDITIONAL PRICES

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870
TWX 910-760-1650

soundolier select series

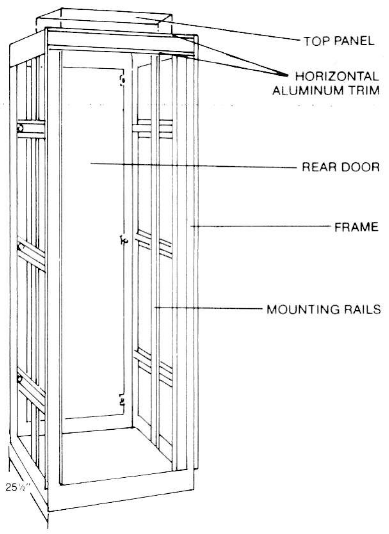
MODULAR EQUIPMENT CABINETS - *Ordering Information*

This handy brochure is designed to assist you in ordering Soundolier's new modular equipment cabinets. Listed on the following pages are model numbers for the vertical racks, slope front consoles, turrets, phono and storage drawers, and flush rack panels. You will also find examples of ordering procedures for you to follow.

If you need additional information on our new cabinet line please write us or give us a call. We will supply you with the infomation you need.

This series of equipment cabinets is offered in two standard colors which are Soundolier Royal Blue (#35) and Soundolier Satin Beige (#31). Other colors are available but will require additional lead time. The basic frame, of all cabinets, is painted black textured baking enamel.

SELECT SERIES VERTICAL RACK



BASIC RACK CONSISTS OF:

- **Frame**
- **Top Panel**
- **Rear Door**
- **Horizontal Aluminum Trim**
- **Mounting Rails**

Model No.	Vertical Panel Space
2036	36⅞" (937mm)
2042	42⅛" (1070mm)
2061	61⅜" (1559mm)
2070	70⅛" (1781mm)
2077	77⅛" (1959mm)

Be sure to specify color when ordering basic racks. (i.e.: 2036-35)

DECORATIVE INSERT PANELS (Required, specify color). These must be specified since the basic rack requires that a decorative insert panel be used. If not specified, black insert will be sent.

Model No.	Description
BK2	Black insert panel for SELECT SERIES
OR2	Brick Orange insert panel for SELECT SERIES
TK2	Teakwood insert panel for SELECT SERIES
RB2	Royal Blue insert panel for SELECT SERIES

VERTICAL ALUMINUM SIDE TRIM (Required, specify quantity). These must be specified since the basic rack requires vertical side trim be used. Trim is extruded aluminum. Trim must be ordered in single units. Two units are required for each cabinet. Only one vertical side trim is required between adjoining cabinets.

Model No.	Description
2036ST	Vertical trim for 2036 cabinet.
2042ST	Vertical trim for 2042 cabinet.
2061ST	Vertical trim for 2061 cabinet.
2070ST	Vertical trim for 2070 cabinet.
2077ST	Vertical trim for 2077 cabinet.

SIDE PANELS (Optional). Left and right is defined as you face front of cabinet. When ordering panels be sure to indicate color. (i.e.: 2036LRP-31, 2070LRP-35, ... etc.).

Model No.	
2036LP	Left panel for 2036 cabinet
2036RP	Right panel for 2036 cabinet
2036LRP	One pair of left & right panels for 2036 cabinet
2042LP	Left panel for 2042 cabinet
2042RP	Right panel for 2042 cabinet
2042LRP	One pair of left & right panels for 2042 cabinet
2061LP	Left panel for 2061 cabinet
2061RP	Right panel for 2061 cabinet
2061LRP	One pair of left & right panels for 2061 cabinet
2070LP	Left panel for 2070 cabinet
2070RP	Right panel for 2070 cabinet
2070LRP	One pair of left & right panels for 2070 cabinet
2077LP	Left panel for 2077 cabinet
2077RP	Right panel for 2077 cabinet
2077LRP	One pair of left & right panels for 2077 cabinet

FRONT DOORS (Optional). When ordering doors be sure to specify color (i.e.: 2070FD-31)

Model No.	Description
2036FD	Front door for 2036 cabinet
2042FD	Front door for 2042 cabinet
2061FD	Front door for 2061 cabinet
2070FD	Front door for 2070 cabinet
2077FD	Front door for 2077 cabinet

REAR DOORS (Furnished with basic rack, for replacement only). When ordering replacement doors be sure to specify color. (i.e.: 2061RD-35)

Model No.	Description
2036RD	Rear door for 2036 cabinet
2042RD	Rear door for 2042 cabinet
2061RD	Rear door for 2061 cabinet
2070RD	Rear door for 2070 cabinet
2077RD	Rear door for 2077 cabinet

MOUNTING RAILS (One pair furnished with basic rack, for additional rails or replacement only).

Model No.	Description
2036MR	One pair of mounting rails for 2036 cabinet
2042MR	One pair of mounting rails for 2042 cabinet
2061MR	One pair of mounting rails for 2061 cabinet
2070MR	One pair of mounting rails for 2070 cabinet
2077MR	One pair of mounting rails for 2077 cabinet

CASTERS (Optional). Model No. **CS-8PR.** Includes two swivel casters. Each individual cabinet requires four casters (i.e.: "2" CS-8PR). When cabinets are grouped in pairs, each cabinet juncture requires 2 casters (i.e.: "1" CS-8PR). The SELECT SERIES is pre-punched for casters.

HOW TO ORDER:

Example: Basic Rack — One 2036 cabinet painted in royal blue with brick orange decorative insert panel. You would order as follows:

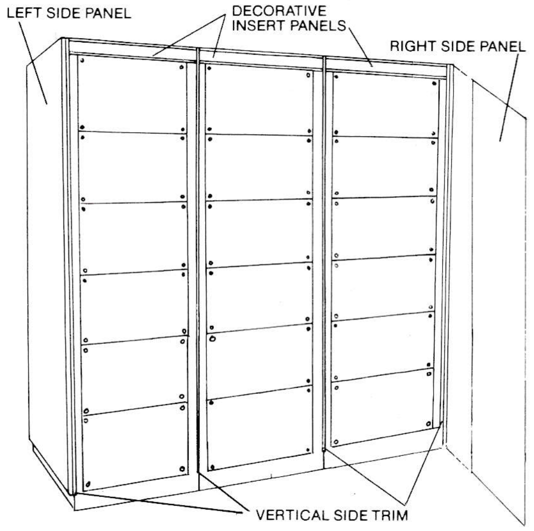
Quantity	Model No. 35
1	**2036-35** (Color Code 35)
1	**OR2** (Brick orange insert)
2*	**2036ST** (Vertical side trim)

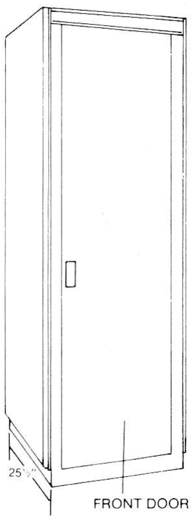
*Two pieces of vertical side trim must be ordered for each individual cabinet.

Example: Three model 2042 cabinets in a bay configuration painted in satin beige, royal blue decorative insert panels, side panels are required on each end, and front door on each unit. You would order as follows:

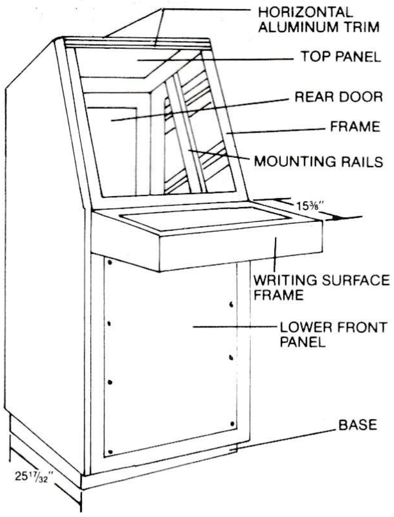
Quantity	Model No.
3	**2042-31** (Color code 31)
3	**RB2** (Royal blue insert)
4*	**2042ST** (Vertical side trim)
1	**2042LRP-31** (One pair left & right panels for 2042 cabinets with color code 31)
3	**2042FD-31** (Front door for 2042 with color code 31)

*Only one piece of vertical side trim is required between adjoining units.





1044 SERIES HEAVY DUTY SLOPE FRONT CONSOLE



BASIC UNIT CONSISTS OF:

- Frame
- Mounting Rails
- Rear Door
- Top Panel
- Lower Front Panel
- Base
- Writing Surface Frame
- Horizontal Aluminum Trim

Model	Description
1044	Basic Console
1044LS	Basic Console without the writing surface frame. However, the console is punched to accept a writing surface assembly

Be sure to specify color when ordering basic console (i.e.: 1044-31)

DECORATIVE INSERT PANELS (Required, specify color). These must be specified since the basic console requires a decorative insert panel be used. If not specified, black insert will be sent.

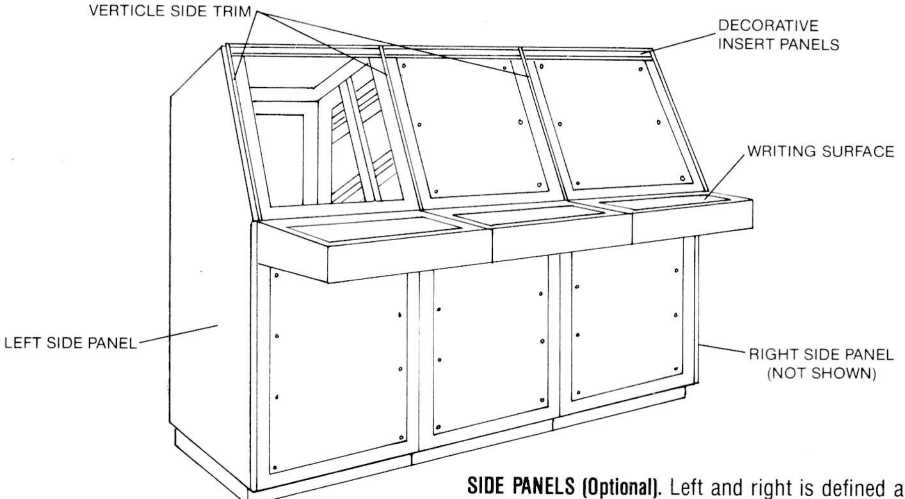
Model No.	Description
TK1	Teakwood insert panel
BK1	Black insert panel
RB1	Royal Blue insert panel
OR1	Brick Orange insert panel

VERTICAL SIDE TRIM (Required, specify quantity). These must be specified since the baic console requires side time be used. Trim is extruded aluminum. Trim must be ordered in single units. Two units are required for each console. Only one piece of vertical side trim is required between adjoining consoles.

Model No.	Description
1044ST	Side trim for 1044 console

WRITING SURFACE (Required, Specify Color). The writing surface is required. The 1044 basic console includes the writing frame which supports the writing surface (laminated insert board). If not specified a white (WHS) surface will be sent.

Model No.	Description
WHS	White writing surface for 1044 frame
TKS	Teakwood writing surface for 1044 frame



SIDE PANELS (Optional). Left and right is defined as you face front of console. When ordering side panels, be sure to specify color. (1.e.: 1044LP-35)

Model No.	Description
1044RP	Right panel for 1044 console
1044LP	Left panel for 1044 console
1044LRP	One pair of left panels for 1044 console

TOP & LOWER FRONT PANELS (Furnished with basic console, for replacement only). When ordering panels be sure to specify color (i.e.: S219-15-35)

Model No.	Description
S219-15	Top panel for 1044 console
S219-24	Lower front panel for 1044 console

UPPER & LOWER MOUNTING RAILS (Furnished with basic console, for additional rails or replacement only).

Model No.	Description
1044LMR	One pair of lower mounting rails for 1044 console
1044UMR	One pair of upper mounting rails for 1044 console

REAR DOOR (Furnished with basic console, for replacement only) Specify Color (i.e.: 1044RD-31)

Model No.	Description
1044RD	Rear door for 1044 console

CASTERS (Optional)

Model No.	Description
CS-8PR	Casters for 1044 console

HOW TO ORDER:

Example: Basic 1044 console — A 1044 console painted satin beige with orange insert and teakwood writing surface. You would order as follows:

Quantity	Model No.
1	**1044-31** (Color code 31)
1	**OR1** (Brick Orange insert)
2*	**1044ST** (Vertical side trim)
1	**TKS** (Teakwood writing surface)

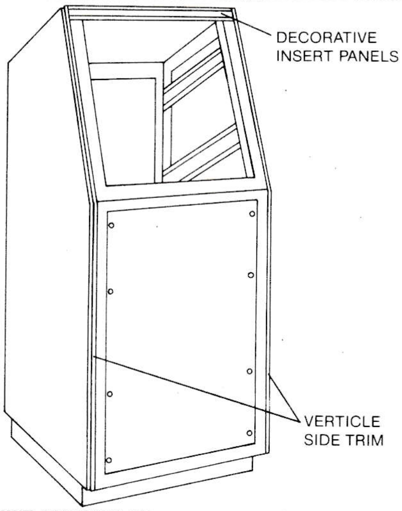
*Two pieces of vertical side trim must be ordered for each console purchased separately.

Example: Four 1044 consoles in a bay configuration painted royal blue, with black insert panel, white writing surface, side panels, and casters. You would order as follows:

Quantity	Model No.
4	**1044-35** (Color code 35)
4	**BK1** (Black inserts)
4	**WHS** (White writing surfaces)
1	**1044LRP-35** (One pair of left and right side panels with color code 35)
5*	**1044ST** (Vertical side trim)
5	**CS-8PR (Only two swivel casters at each juncture)**

***Only one piece of vertical side trim is needed in adjoining consoles.**

1047 SERIES HEAVY DUTY SLOPE FRONT CONSOLE



BASIC UNIT CONSISTS OF:

- Frame
- Mounting Rails
- Rear Door
- Base
- Lower Front Panel
- Horizontal Aluminum Trim
- Top Panel

Model No.	Description
1047	Basic Console. No provisions for mounting writing surface

DECORATIVE INSERT PANELS (Required, specify color). These must be specified since the basic console requires a decorative insert panels be used. If not specified, black insert will be sent.

VERTICAL SIDE TRIM (Required, specify quantity). The 1047 requires an upper and lower vertical side trim on each side. Trim is extruded aluminum.

Model No.	Description
1047STA	Upper vertical side trim for 1047
1047STB	Lower vertical side trim for 1047

SIDE PANELS (Optional). Left and right is defined as you face front of console. When ordering side panels be sure to specify color.

Model No.	Description
1047RP	Right panel for 1047 console
1047LP	Left panel for 1047 console
1047LRP	One pair of left and right panels for 1047 console

HOW TO ORDER:

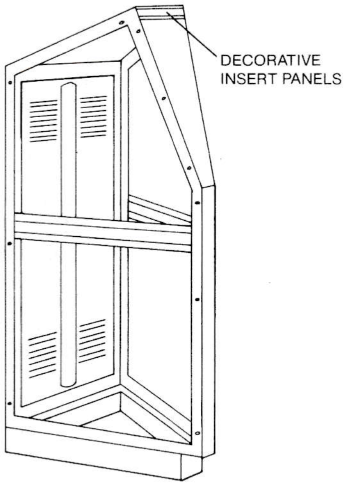
Example: Basic 1047 Console painted satin beige and teakwood insert. You would order as follows:

Quantity	Model No.
1	**1047-31** (Color code 31)
1	**TK1** (Teakwood insert)
2	**1047STA** (Top section of side trim)
2	**1047STB** (Bottom section of side trim)

REPLACEMENT PARTS. Following is a list of replacement parts for the 1047. Ordering method is same as for 1044

Model No.	Description
1047RD	Rear door for 1047 console
1047LMR	One pair of lower mounting rails for 1047 console
1047UMR	One pair of upper mounting rails for 1047 console
S219-15	Top panel for 1047 console
S219-28	Lower front panel for 1047 console

1044-45 SERIES 45° WEDGE SECTION



BASIC UNIT CONSISTS OF:

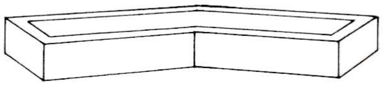
- **Frame**
- **Rear Door**
- **Base**
- **Horizontal Aluminum Trim**

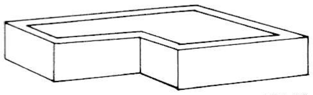
Model No.	Description
1044-45	Basic 45° Wedge Section for use with 1044LS and 1047 Slope Front Consoles

DECORATIVE INSERT PANELS (Required, specify color). These must be specified since the basic wedge section requires a decorative insert panel for the horizontal aluminum trim. If not specified, a black insert will be sent.

Model No.	Description
BK1-45	Black insert for 1044-45
TK1-45	Teakwood insert for 1044-45
OR1-45	Orange insert for 1044-45
RB1-45	Royal Blue insert for 1044-45

144 SERIES 45° AND 90° WRITING SURFACE


144-45


144-90

BASIC UNIT CONSISTS OF:

- **45° or 90° Writing Surface Frame Paint Textured Black**
- **White or Teakwood Laminate Writing Surface Insert**
- **Hardware to Mount to 1044LS Slope Front Console**

Model No.	Description
TKS144-45	Teakwood 45° Writing Surface Assembly
WHS144-45	White 45° Writing Surface Assembly
TKS144-90	Teakwood 90° Writing Surface Assembly
WHS144-90	White 90° Writing Surface Assembly

HOW TO ORDER:

Example: Two 1044LS Basic Consoles installed in a 45° bay configuration. Teakwood decorative insert with a Teakwood 45° writing surface. Units to be Satin Beige You would order as follows:

Quantity	
2	**Model No.**
2	**1044LS-31** (Color code 31)
1	**TK1** (Teakwood insert for 1044LS)
1	**1044-45-31** (Satin Beige 45° Wedge)
4	**TK1-45** (Teakwood insert for 1044-45 Wedge)
	1044ST (Side trim for 1044LS)

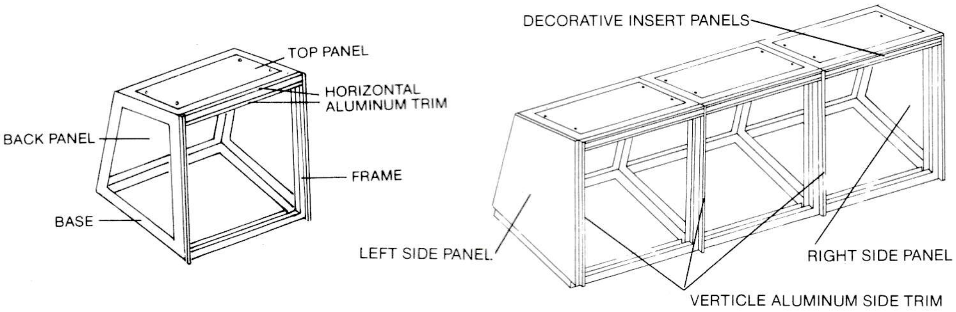
Example: Two 1044LS consoles painted Royal Blue with Black inserts in a 90° bay configuration with a White 90° writing surface, side panels

Quantity	Model No.
2	**1044LS-35** (Color code 35)
2	**BK-1** (Black inserts for 1044LS)
4	**1044ST** (Side trim)
2	**1044-45-35** (Two 45° Wedge Sections to make 90° installation)
2	**BK1-45** (Black inserts for 1044-45)
1	**1044LRP-35**

Example: Three 1047 consoles painted Royal Blue installed in a 90° configuration with two consoles on one side of the 90° corner and one console on the other. Teakwood inserts. Centers on each console. Side panels. You would order as follows:

Quantity	Model No.
3	**1047-35**
3	**TK1**
5	**1047-STA**
5	**1047-STB**
2	**1044-45-35**
2	**TK1-45**
5	**CS-8PR**
2	**1047LRP-35**

700 SERIES SLOPE FRONT TURRETS



BASIC UNIT CONSISTS OF:

- **Frame**
- **Back Panel**
- **Top Panel**
- **Base**
- **Horizontal Aluminum Trim**

Model No.	Overall Depth	Vertical Panel Space
700-14	$18\frac{1}{64}$"	$14\frac{1}{8}$"(359mm)
700-19	$19\frac{63}{64}$"	$19\frac{3}{8}$"(492mm)

When ordering the basic turret be sure to specify color (i.e.: 700-14-35)

DECORATIVE INSERT PANELS (Required, specify color). These must be specified since the basic turret requires a decorative insert panel be used. If not specified, black insert will be sent.

Model No.	Description
TK1	Teakwood insert panel for 700 series
BK1	Black insert panel for 700 series
RB1	Royal Blue insert panel for 700 series
OR1	Brick Orange insert panel for 700 series

VERTICAL ALUMINUM SIDE TRIM (Required, specify quantity). These must be specified since the basic turret requires vertical side trim be used. Trim is extruded aluminum. Trim must be ordered in single units. Two units are required for each turret. Only one vertical trim is required between adjoining turrets.

Model No.	Description
700-14ST	Side Trim for 700-14 Turret
700-19ST	Side Trim for 700-19 Turret

SIDE PANELS (Optional). Left and right is defined as you face front of turret. When ordering panels be sure to specify color. (i.e.: 700-19LRP-35).

Model No.	Description
700-14LP	Left panel for 700-14
700-14RP	Right panel for 700-15
700-14LRP	One pair of left & right panels for 700-14
700-19LP	Left panel for 700-19
700-19RP	Right panel for 700-19
700-19LRP	One pair of left & right panels for 700-19

TOP & BACK PANELS (Furnished with basic unit, for replacement only). When ordering panels be sure to specify color. (i.e.: S219-14-31)

Model No.	Description
S219-8	Back panel for 700-14
S219-10	Top panel for 700-14
S219-14	Back panel for 700-19
S219-10	Top panel for 700-19

HOW TO ORDER

Example: Basic 700-14 turret. One 700-14 turret painted royal blue with black insert panel. You would order as follows:

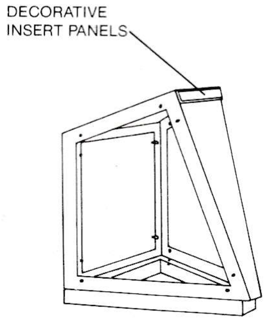
Quantity	Model No.
1	**700-14-35** (Color code 35)
1	**BK1** (Black insert)
2*	**700-14ST** (Vertical side trim)

*Two pieces of vertical side trim must be ordered for each turret purchased separately.

Example: Three separate 700-19 turrets painted satin beige with orange inserts and side panels on each unit. You would order as follows:

Quantity	Model No.
3	**700-19-31** (Color Code 31)
3	**OR1** (Orange Inserts)
6	**700-19ST** (Vertical side trim)
3	**700-19LRP-31** (Three pairs of left and right side panels with color code)

714-45 AND 719-45 TURRET WEDGE SECTIONS



BASIC UNIT CONSISTS OF:

- Frame
- Base
- Back Panel
- Top Panel
- Horizontal Aluminum Trim

Model No.	Description
714-45	45° Wedge Section for use with 700-14 Turret
719-45	45° Wedge Section for use with 700-19 Turret

DECORATIVE INSERT PANELS (Required, specify color). These must be specified since the basic wedge requires that a decorative insert panel be used. If not specified, black insert will be sent.

Model No.	Description
BK3-45/BK4-45	Black insert for 714-45/719-45
TK3-45/TK4-45	Teakwood insert for 714-45/719-45
OR3-45/OR4-45	Orange insert for 714-45/719-45
RB3-45/RB4-45	Royal Blue insert for 714-45/719-45

HOW TO ORDER:

Example: Two 700-14 turrets painted satin beige installed in a 45° bay configuration. Units have black decorative inserts and side panels on each end of the 45° bay. You would order as follows:

Quantity	Model No.
2	**700-14-31** (Color code 31)
2	**BK1** (Black insert for 700-14)
4	**700-14ST** (Side trim for 700-14)
1	**714-45-31** (45° Wedge Section for 700-14, color code 31)
1	**BK3-45** (Black insert for 714-45)
1	**700-14LRP-31** (Left and Right panels)

Example: Three 700-19 turrets installed in a 90° bay configuration. Units are to be royal blue with blue inserts. Two units to be on left side of 90° bay, one unit to be on right side of 90° bay. Left and right ends to have side panels. You would order as follows:

Quantity	Model No.
3	**700-19-35**
3	**RB1** (Royal Blue insert for 700-19)
5	**700-19ST** (Side trim for 700-19)
2	**719-45-35** (45° Wedge for 700-19, two for 90°)
2	**RB4-45** (Royal Blue insert for 719-45)
1	**700-19LRP-35** (Left and Right side panels for 700-19)

FLUSH MONITOR AND POWER PANELS

Model No.	Vertical Panel Space
MONITOR PANELS	
MVX293	3½"(89mm)
MX293	3½"(89mm)
MVX295	5¼"(133mm)
MVX2910	10½"(267mm)
MX2910	10½"(267mm)
POWER PANELS	
ACR293	3½"(89mm)
ACK293	3½"(89mm)

PHONO & STORAGE DRAWERS

When ordering drawers be sure to specify color. (i.e.: PD10-145FP-35)

Model No.	Vertical Panel Space
PHONO DRAWERS	
PD10-165FP	10½"(267mm)
PD10-145FP	10½"(267mm)
STORAGE DRAWERS	
SD7-145FP	7" (179mm)
SD7-165FP	7" (179mm)
SD10-145FP	10½"(267mm)
SD10-165FP	10½"(267mm)

FLUSH RACK PANELS

When ordering panels be sure to specify color (i.e.: S219-21-35)

Blank Panels	Vent Panels	Vertical Panel Space
S219-1	SVP219-1	1¾"(44mm)
S219-3	SVP219-3	3½"(89mm)
S219-5	SVP219-5	5¼"(133mm)
S219-7	SVP219-7	7" (178mm)
S219-8	SVP219-8	8¾"(222mm)
S219-10	SVP219-10	10½"(267mm)
S219-12	SVP219-12	12¼"(311mm)
S219-14		14"(356mm)
S219-15		15¾"(400mm)
S219-17		17½"(445mm)
S219-19		19¼"(489mm)
S219-21		21" (533mm)

PAINT COLORS

STANDARD COLORS

Soundolier Light Satin Beige	31	Soundolier Royal Blue	35

AVAILABLE COLORS (Require additional lead time)

Soundolier Gray Metallic	30	Bogen Beige	43	McMartin Blue	75	McMartin Beige	76
Soundolier Dark Textured Bronze	32	Bogen Sand	44	Rauland Beige	80	J.B.L. Dark Gray	85
DuKane Light Gray	50	Altec-Lansing Green	70	DuKane Dark Gray	51	Muzak Blue	95
Bogen Gray	41	Strom-Com Sahara Beige	65	Strom-Com Executive Gray	66	Black Semi-Gloss	05

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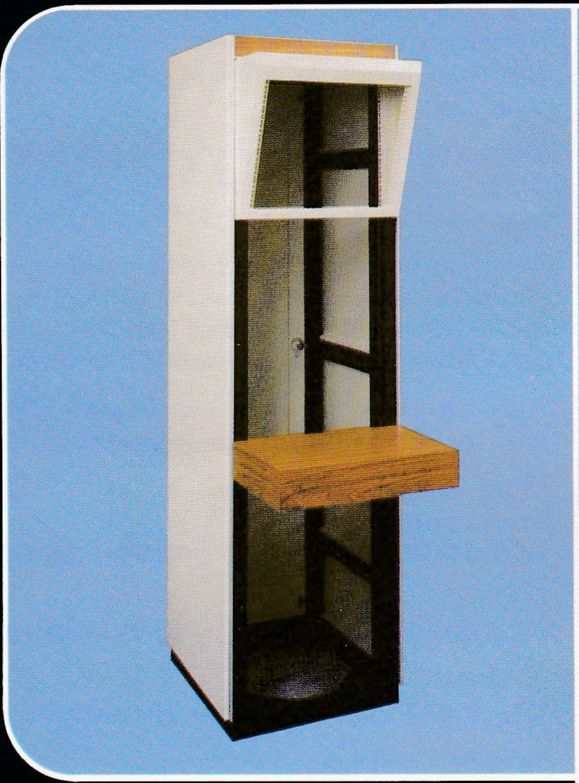
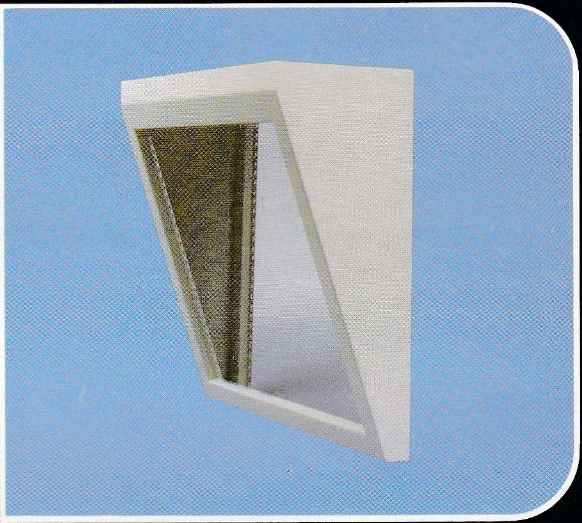
SL 1236A
Supersedes SL 1236
Printed in U.S.A.

2 NEW ACCESSORIES
for select series cabinets

Model 2077 Cabinet with TV Monitor Adaptor and TKS-200-PL Writing Frame





2 Sizes TV Monitor Adaptor NOW AVAILABLE

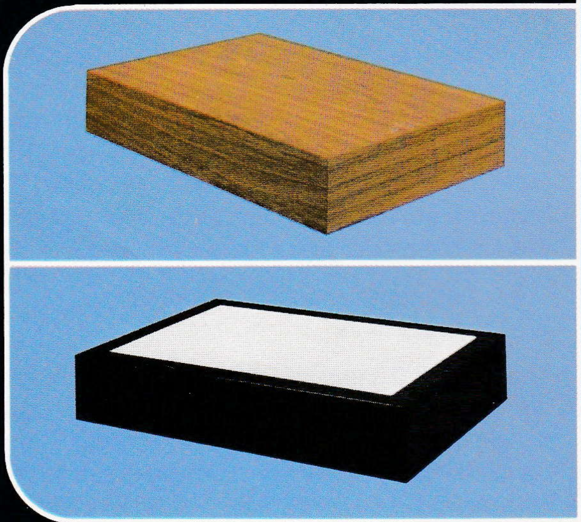
▲

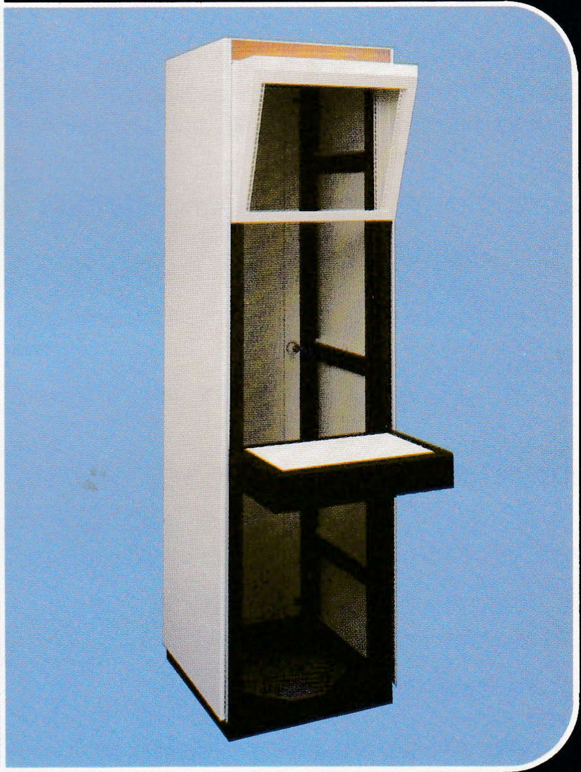
An easily installed TV Monitor Adaptor for **select series** racks, Model Nos. 2036, 2042, 2061, 2070 and 2077.

An optional Writing Frame for 1044 consoles and completely new writing surface options for **select series** racks.

▼

2 Styles of Writing Frames NOW AVAILABLE





Model 2077 Cabinet with TV Monitor Adaptor and WHS-200-FR Writing Frame

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ALL LAMINATE WRITING SURFACE FOR CONSOLES AND RACKS

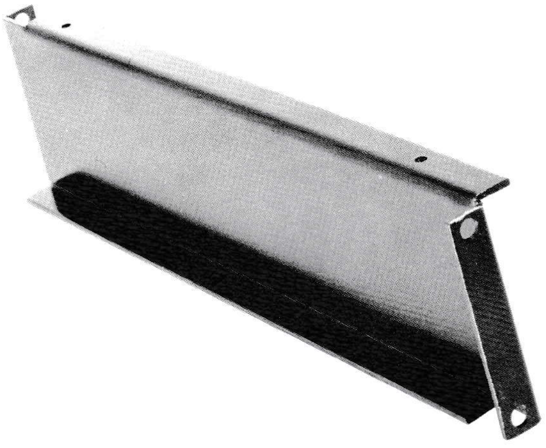
The **TKS-200-PL** Series, all laminate teakwood writing surface is an optional accessory designed specifically for **select series** racks with 19 inch panel space.

The **TKS-144-PL** Series, all laminate teakwood writing surface is an optional one piece writing surface designed specifically for the 1044 console.

The entire unit (top, front and sides) is teakwood laminate covered over heavy particleboard.

This series of writing surfaces is offered in one piece construction for a single rack or console and for 2, 3 and 4 bay installations.

Two (2) heavy duty "Z" angle brackets, Model No. **200-SBR** (Model No. **144-SBR** for consoles) and hardware are provided with each single writing surface for attachment to the front mounting angles of any **select series** rack or console.



Additional brackets are available as might be required for special installations and may be ordered as single items. All brackets are formed from 11 ga. CRS and are painted Soundolier textured flat black.

WRITING SURFACES FOR select series RACKS

Model numbers are as follows:
Single rack
TKS-200-PL-1 furnished with "2" 200-SBR brackets

Two bay installation
TKS-200-PL-2 furnished with "3" 200-SBR brackets

Three bay installation
TKS-200-PL-3 furnished with "4" 200-SBR brackets

Four bay installation
TKS-200-PL-4 furnished with "5" 200-SBR brackets

WRITING SURFACES FOR select series CONSOLES

Model numbers are as follows:
Single console
TKS-144-PL-1 furnished with "2" 144-SBR brackets

Two bay installation
TKS-144-PL-2 furnished with "3" 144-SBR brackets

Three bay installation
TKS-144-PL-3 furnished with "4" 144-SBR brackets

Four bay installation
TKS-144-PL-4 furnished with "5" 144-SBR brackets

METAL FRAME LAMINATE WRITING SURFACE FOR THE select series RACKS

The **TKS-200-FR** and **WHS-200-FR** series writing frames are optional two piece writing surfaces designed specifically for use on the **select series** racks with 19 inch panel space.

The writing surface frame is constructed of 16 ga. CRS and is mig welded together. Three 7/8" knockouts (per bay) are provided on the rear portion of the writing frame.

A choice of teakwood (TKS) or white (WHS) laminate writing surface is available. The writing surface may be easily removed for access to standard 19 inch E.I.A. mounting rails (per bay) which are punched with .281 diameter holes.

The metal frame is painted with Soundolier textured flat black baking enamel to match the **select series** frames.

Model numbers are as follows:
Single console
TKS-200-FR-1 (Teakwood) or **WHS-200-FR-1** (White)

Two bay installation
TKS-200-FR-2 (Teakwood) or **WHS-200-FR-2** (White)

Three Bay installation
TKS-200-FR-3 (Teakwood) or **WHS-200-FR-3** (White)

Four bay installation
TKS-200-FR-4 (Teakwood) or **WHS-200-FR-4** (White)

TELEVISION MONITOR ADAPTOR MODELS TMC-10 & TMC-15

The **TMC-10** and **TMC-15** are designed to accommodate a variety of sizes of video monitors in a 19 inch panel space. The TMC-10 offers 10⅝" of vertical mounting space and the TMC-15 offers 15⅞".

These units are designed specifically to be used in conjunction with the **select series** racks. It is suggested these consoles be mounted in the top portion of the panel space of any **select series** rack. The **TMC-10** uses 14" of vertical rack panel space and the **TMC-15** uses 19¼". These adaptors are easy to attach to the rack and when installed, provide the proper slope for easy viewing.

These adaptors can also be mounted onto any 100, 200 or 500 series rack.

The **TMC-10** and **TMC-15** are constructed of 16 ga. CRS and are mig welded together. Panel mounting rails are punched with .281 dia. holes on universal E.I.A. hole spacing. Panel mounting screws and U clips are provided with each console.

Standard colors for these adaptors are Soundolier Royal Blue (#35) or Soundolier Satin Beige (#31).

SL 1251
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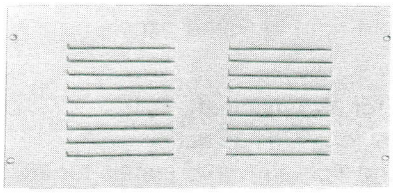
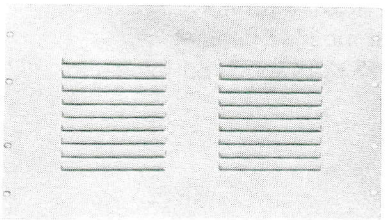
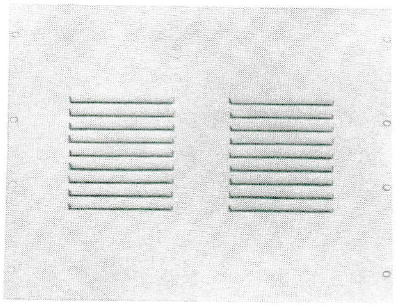
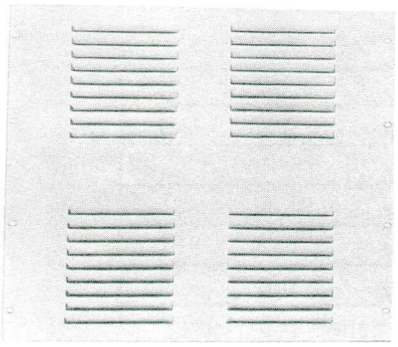
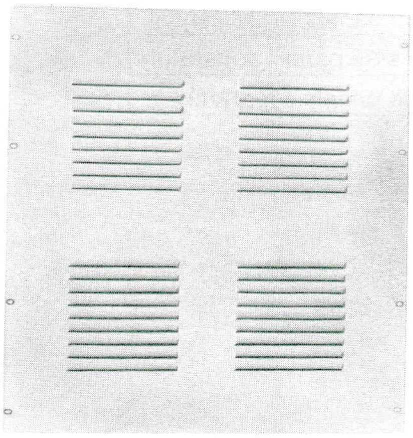
NEW LOUVERED PANELS FOR **select series** CABINETS


Model S219-8L
Back 700-14 Turret


Model S219-10L
Top 700-14 &
700-19 Turrets


Model S219-14L
Back 700-19 Turret


Model S219-15L
Top 1044 & 1047
Consoles


Model S219-21L
Top for all Racks

TOP AND BACK PANELS FOR RACKS, CONSOLES AND TURRETS

LOUVERED FLUSH RACK PANELS

A series of louvered panels is available in five sizes for 19 inch panel space, all with ⅝" return around all four sides giving a flush appearance when installed on cabinet. All panels are 16 ga. CRS with either two sets of louvers or four sets of louvers (as shown) with each set consisting of 9 internal louvers. All sizes and hole spacing conform to E.I.A. standards.

Model **S219-8L** is for use on the back of a 700-14 turret.

Model **S219-10L** is for use on the top of a 700-14 and 700-19 turret.

Model **S219-14L** is for use on the back of a 700-19 turret.

Model **S219-15L** is for use on the top of a 1044 and 1047 console. Louvered rear door is standard.

Model **S219-21L** is for use on the top of any **select series** rack, model nos. 2036 thru 2077.

Standard colors for this series are Soundolier Royal Blue (#35) or Satin Beige (#31).

These are optional panels for the cabinets noted, but can also be ordered separately for use wherever desired.

LOUVERED SIDE PANELS FOR ALL RACK SIZES

Optional louvered side panels are available for all sizes of the **select series** racks. All panels are 16 ga. CRS with four sets of louvers as shown, with each set consisting of 9 internal louvers for maximum ventilation and clean appearance.

Side panels are simply installed by hooking them over internal side channels.

These panels are offered in two standard color selections, which are Soundolier Royal Blue (#35) or Soundolier Satin Beige (#31).

Model numbers are as follows. Left and right is defined as you face front of cabinet.

2036 LPL — Left louvered panel for 2036 cabinet
2036 RPL — Right louvered panel for 2036 cabinet
2036 LRPL — One pair of left and right louvered panels for 2036 cabinet

2042 LPL — Left louvered panel for 2042 cabinet
2042 RPL — Right louvered panel for 2042 cabinet
2042 LRPL — One pair of left and right louvered panels for 2042 cabinet

Continued on back.

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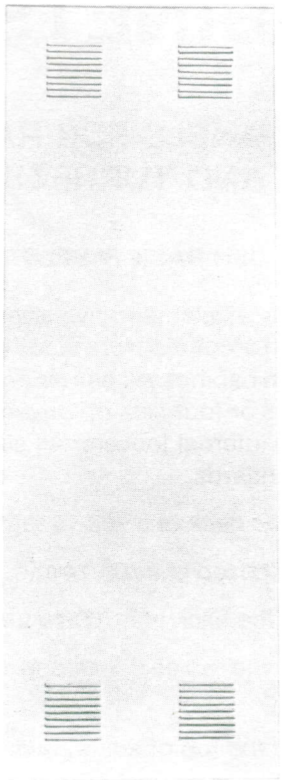


Side Panel for Racks

Louvered Side Panels (continued)

2061 LPL — Left louvered panel for 2061 cabinet
2061 RPL — Right louvered panel for 2061 cabinet
2061 LRPL — One pair of left and right louvered panels for 2061 cabinet

2070 LPL — Left louvered panel for 2070 cabinet
2070 RPL — Right louvered panel for 2070 cabinet
2070 LRPL — One pair of left and right louvered panels for 2070 cabinet

2077 LPL — Left louvered panel for 2077 cabinet
2077 RPL — Right louvered panel for 2077 cabinet
2077 LRPL — One pair of left and right louvered panels for 2077 cabinet

Soundolier racks, consoles and turrets may be ordered with louvered top and rear (turrets only) panels installed. Simply suffix the basic model number with "-LV". Refer to the following model number listing.

MODEL NO.	DESCRIPTION
2036 LV	2036 cabinet with louvered top. Order side panels separately.
2042 LV	2042 cabinet with louvered top. Order side panels separately.
2061 LV	2061 cabinet with louvered top. Order side panels separately.
2070 LV	2070 cabinet with louvered top. Order side panels separately.
2077 LV	2077 cabinet with louvered top. Order side panels separately.
700-14 LV	700-14 turret with louvered top and back panels. Order side panels separately.
700-19 LV	700-19 turret with louvered top and back panels. Order side panels separately.
1044 LV	1044 slope front console with louvered top panel. Order side panels separately.
1044 LSLV	1044 LS slope front console with louvered top panel. Order side panels separately.
1047 LV	1047 slope front console with louvered top panel. Order side panels separately.

select series

VERTICAL RACKS

2036 2070
2042 2077
2061

soundolier, inc.

> *Soundolier's* **select series** *of 19" equipment cabinets encompass racks, slope front consoles, turrets, wedge sections and a full line of customizing accessories. Because this series is modular in concept, all possible combinations cannot be shown. However, enough examples are shown to complete any installation. See SL1231 and SL1246 for an overall view of the series. For more ordering information see SL1236A.*

FEATURES:

- Modular concept
- Attractive 2 tone design
- Trim lines
- Recessed door pull
- Choice of color combinations
- 25½" deep
- Quality construction
- Easy access to equipment
- Simple assembly
- Decorative insert panels
- All hardware furnished
- Open sides for easy wiring
- Removable top panel
- Tapped Mounting Rail

BASIC RACK CONSISTS OF:

- Frame
- Horizontal Aluminum Trim
- Top Panel
- Rear Door
- Mounting Rails

BASIC RACKS ALSO REQUIRES (order separately)

- Decorative Insert Panel
- Vertical Aluminum Side Trim

Construction is done with spot and MIG welding. Mounting angles are 11 ga. CRS tapped 10-32 on E.I.A. spacing. Side panels, top, rear door and frame are 16 ga. CRS. Horizontal and vertical side trim are satin clear anodized aluminum. Frame is tapped to accept casters. Top panel is removable. Decorative insert is plastic laminate. Rear door has lock and can be easily removed by pulling spring loaded hinge pins at top and bottom.

Finish

Frame and mounting angles are painted textured flat black baking enamel. Top panel, sides, and doors can be ordered in two standard colors Royal Blue (color No. 35) or Satin Beige (color No. 31). Suffix model no. with your choice of color, i.e., 2036-35 for royal blue. Other colors are available but require additional lead time.

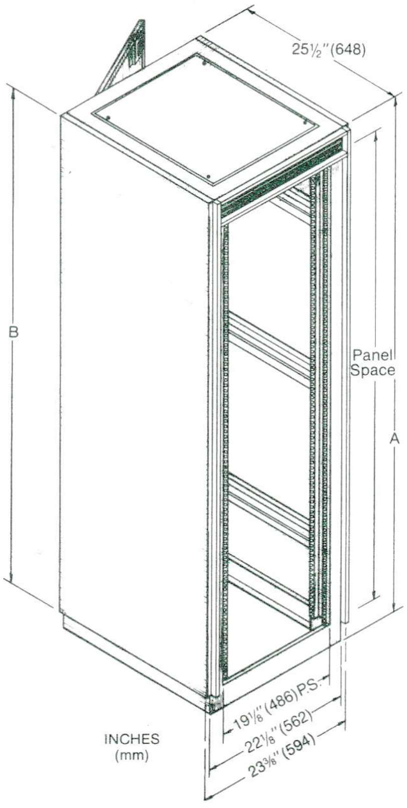
The decorative insert panels are offered in four colors, black, brick orange, teakwood or royal blue. If no color is specified when ordering black will be sent.

Options

Side panels are of the lift-off type for easy access to equipment. Sides are also constructed of 16 ga. CRS. Side panels can be secured. Sides must be ordered left or right side as you face cabinet front. Louvered side panels are also available.

Front door is lockable and has spring loaded pull-pin type hinges and recessed door pull. Door is constructed of 16 ga. CRS and can be ordered for left or right hand hinge. **Note:** When using 2000 FD door series, storage and phono drawers with an FP suffix cannot be used. See specification sheet SL 1250 for details.

Casters Model No. **CS-8PR** consists of one pair of swivel casters. One complete cabinet requires 4 casters (two CS-8PR). Adjoining cabinets require only 2 casters (one CS-8PR) at juncture.



DIMENSIONS

Model No.	Panel Space	Dim. "A"	Dim. "B"
2036	36⅞"(937mm)	42⅞"(1089mm)	40⅜"(1026mm)
2042	42⅛"(1070mm)	48⅛"(1222mm)	45⅝"(1159mm)
2061	61⅜"(1559mm)	67⅜"(1711mm)	64⅞"(1648mm)
2070	70⅛"(1781mm)	76⅛"(1933mm)	73⅝"(1870mm)
2077	77⅛"(1959mm)	83⅛"(2111mm)	80⅝"(2048mm)

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VERTICAL RACK

Model No.	Color Suffixes		Required Aluminum Vertical Side Trim (Order Separately)	Front Door	Side Panels		
	Royal Blue	Satin Beige			Left	Right	Left and Right
2036*	-35	-31	2036ST	2036FD	2036LP**	2036RP**	2036LRP**
2042*	-35	-31	2042ST	2042FD	2042LP**	2042RP**	2042LRP**
2061*	-35	-31	2061ST	2061FD	2061LP**	2061RP**	2061LRP**
2070*	-35	-31	2070ST	2070FD	2070LP**	2070RP**	2070LRP**
2077*	-35	-31	2077ST	2077FD	2077LP**	2077RP**	2077LRP**

REQUIRED DECORATIVE INSERT PANELS (Order Separately)

Color	Black	Brick Orange	Teakwood	Royal Blue	**NOTE:** Black will be sent if no color is specified.
Model Numbers	BK2	OR2	TK2	RB2	

*For louvered top suffix Model No. with **LV,** i.e., 2036LV

For louvered side panels suffix Model No. with **L, i.e., 2036LPL

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

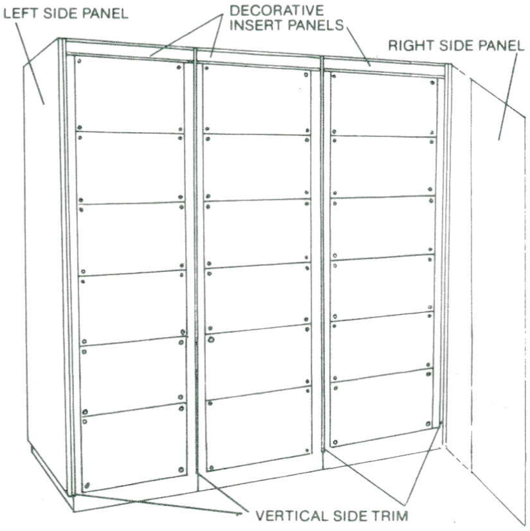
The equipment rack shall be a Soundolier select series rack model number ______________ or approval equal. It shall be constructed of 16 ga. CRS and shall have 11 ga. CRS adjustable mounting rails. Mounting rails shall be tapped for 10-32 machine screws on EIA spacing. Cabinet depth shall be 25½"(648mm). Racks shall be open on all sides and bottom to facilitate wiring of components. It shall have a rear door supported on spring loaded hinges and shall be equipped with a cylinder lock. Finish of cabinet shall be two tone design with black baking enamel on frame, mounting rails and base. Color of top panel and back door shall be ______________ (specify color.) Plastic laminate decorative inserts shall be provided in ______________ (specify color). Horizontal and vertical side trim shall be satin clear anodized aluminum. Base shall be tapped to accept casters. Vertical side trim model number ______________ (specify size) shall be provided between frame and sides.

Modular Installations:
Racks shall be installed in a row of ______________ (specify number of cabinets to be installed in row) and sufficient vertical side trim shall be provided between each rack and between rack and side panel. Decorative insert panels shall be provided for each frame. Sufficient hardware shall be supplied to complete installation.

Optional
Racks shall be provided with side panels model number ______________. Side panels shall be constructed of 16 ga. CRS. Side panels shall be of the lift off type with provisions for securing. Color of side panels shall be ______________ (specify color).

The equipment rack shall have a Soundolier model ______________ front door or approved equal mounted with spring loaded hinges. Door shall be hinged left/right ______________ (specify which). Color of door shall be ______________ (specify color). The door shall have a cylinder lock the same in style but keyed differently from the rear door, and shall have recessed door pull.

Single frame and/or entire installation shall be on casters model number CS8PR.



A TV Monitor Adaptor and two styles of writing surfaces are available for **select series** racks. See SL 1251 for more information about these accessories.

SINGLE UNIT ASSEMBLY INSTRUCTIONS:

(1) Slide decorative insert panel into top aluminum trim piece.

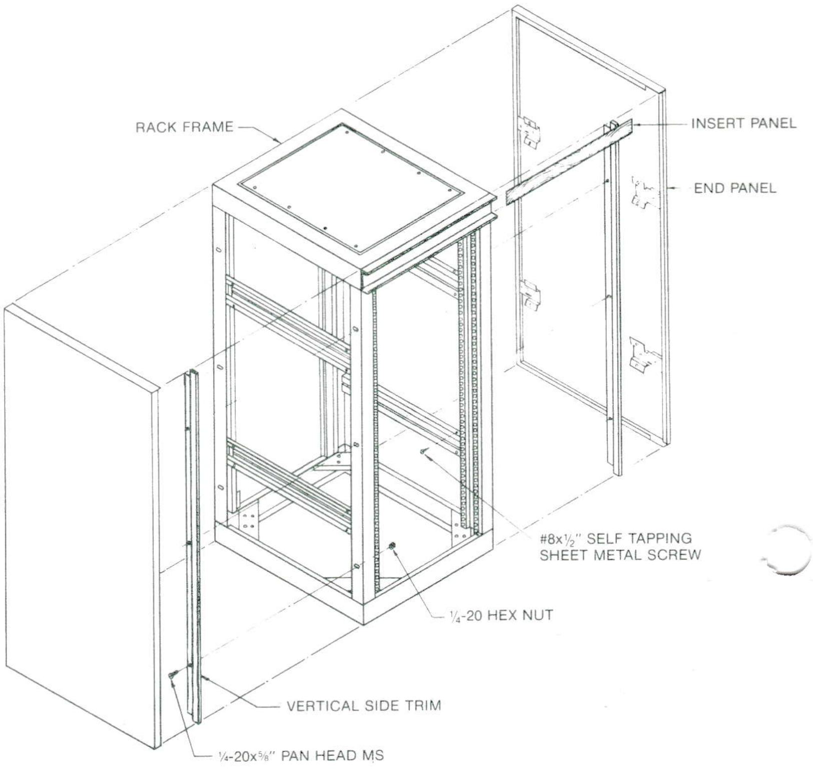
(2) Locate side aluminum trim pieces. Secure with ¼-20 x ⅝" Pan Head MS and hex nuts. Insert screw from outside and place nut on inside.

(3) End panels slide on without any hardware, hold panel above top of frame about 2" and gently let it slide down, resting on cross members of frame.

(4) If desired, insert #8 x ½" self tapping sheet metal screw through hole in cross member into end panel retainer angle.

NOTE: In a modular installation, first, follow step 1 as outlined above. Locate the side trim pieces between the front corner posts of each rack and insert the screw from the inside of left frame, through holes in frames and trim and place nut on inside of right frame. Same procedure at rear except no trim. Secure end panels as outlined in steps 3 and 4 above at each end of the installation.

Complete assembly instructions are sent with each unit.



select series

SLOPE FRONT CONSOLE

1044
1044LS

WITH WRITING SURFACE

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> *Soundolier's* **select series** *of 19" equipment cabinets encompass racks, slope front consoles, turrets, wedge sections and a full line of customizing accessories. Because this series is modular in concept, all possible combinations cannot be shown. However, enough examples are shown to complete any installation. See SL1231 and SL1246 for an overall view of the series. For more ordering information see SL1236A.*

FEATURES:

- Modular concept
- Attractive 2 tone design
- Trim lines
- Tapped Mounting Rail
- Choice of color combinations
- 25½" deep
- Quality construction
- Easy access to equipment
- Simple assembly
- Decorative insert panels
- All hardware furnished
- Open sides for easy wiring
- Removable top panel
- Louvered rear door
- Writing surface
- Pontoon base

Model No. 1044

BASIC CONSOLE CONSISTS OF:

- Frame
- Mounting Rails
- Rear Door
- Top Panel
- Lower Front Panel
- Base
- Writing Surface Frame
- Horizontal Aluminum Trim

Model No. 1044LS

Same as model number 1044, but without writing surface frame. This console is for use with 144-45 and 144-90 writing surfaces to make a 45 degree or 90 degree configuration in modular installation requiring writing surfaces.

BASIC CONSOLE ALSO REQUIRES (order separately)

- Decorative Insert Panel
- Vertical Aluminum Side Trim
- Writing Surface Insert (Model 1044 only)

Construction is done by spot and MIG welding. Mounting rails are 11 ga. CRS tapped 10-32 on E.I.A. spacing. Frame, writing surface frame, rear door, top panel, lower front panel, and base are 16 ga. CRS. Horizontal and vertical side trim are satin clear anodized aluminum. Panel space is available top and bottom. Base is tapped to accept casters. Top panel, and lower front panel are removable. Decorative insert is plastic laminate. Rear door is internally louvered and is removable by pulling spring loaded hinge pins top and bottom. Locking rear door has 2 keys. Decorative insert panel, vertical aluminum side trim and writing surface insert are required, but must be ordered separately. Four colors of decorative inserts are available: black, brick orange, teakwood, or royal blue. If no color is specified, black insert will be sent.

Model 1044

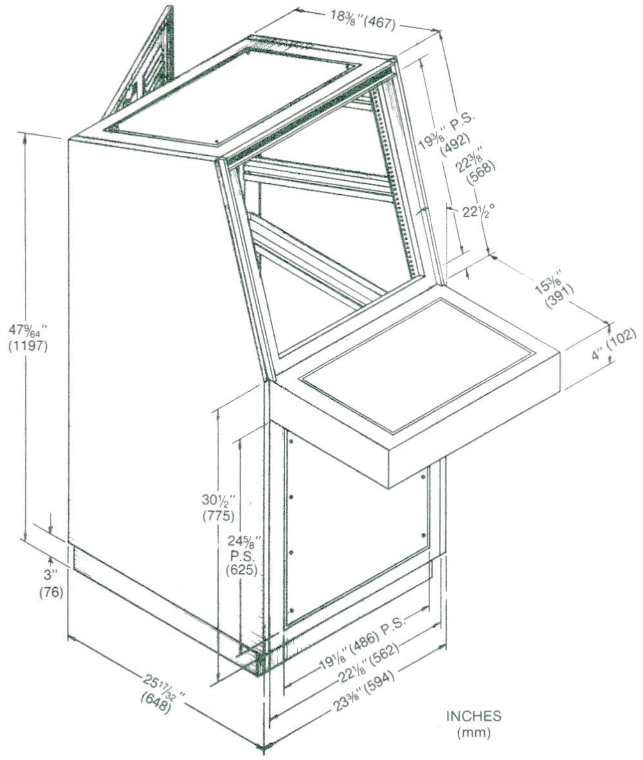
Writing surface frame has three ⅞"(22mm) knockouts on mounting side. Writing surface is plastic laminated hardwood attached from below with hidden screws.

Writing surface is offered in two colors: white or teakwood. If no color is specified a white writing surface will be sent.

Model 1044, 1044LS and model number 1047 (shown on separate sheet) can be joined together.

Finish

Basic frame, mounting rails, base and writing surface frame are painted textured flat black baking enamel. Top panel, door, sides and lower front panel are offered in two standard colors: Royal Blue (Color #35) or Satin Beige (Color #31). Suffix model no. with your choice of color. Other colors may be ordered but will require additional lead time.



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Options

Side panels are made of 16 ga. CRS. Each panel has five ¼ - 20 weld studs. Panel is secured to frame with hex nuts. Side panels are ordered left or right as you face console.

Casters model number **CS-8PR** consists of one pair of swivel casters. One complete console requires 4 casters ("2" CS-8PR). Adjoining consoles require only 2 casters ("1" CS-8PR) at juncture.

Decorative Insert Panels

Model No.	Color	Model No.	Color
TK1	Teakwood	RB1	Royal Blue
BK1	Black	OR1	Brick Orange
Black will be sent if no color is specified.			

SLOPE FRONT CONSOLE MODEL NO. 1044 AND 1044LS

	Color Suffix		Vertical Side Trim (Required order separately)	Side Panels			Writing Surface Color	
	Royal Blue	Satin Beige		Left	Right	Left & Right	White	Teakwood
1044*	-35	-31	1044ST	1044LP	1044RP	1044LRP	WHS	TKS
1044LS*	-35	-31	1044ST	1044LS-LP	1044LS-RP	1044LS-LRP	For use with 144-45 & 144-90 Series corner writing surfaces	

*For louvered top panel suffix Model No. with **LV**, i.e., 1044LV.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

1044 Slope Front Consoles

The slope front console shall be Soundolier's select series Model Number ____________ or approved equal. (1044LS for corner installations requiring writing surfaces). The console shall be constructed of 16 gauge CRS with 11 gauge CRS mounting rails. Mounting rails shall be tapped 10-32 on EIA spacing. Basic console shall consist of frame, mounting rails, rear internally louvered lockable door, removable top panel, removable lower front panel, pontoon base, writing surface frame and horizontal aluminum trim. The console shall have a two tone finish.

Frame, mounting rails, pontoon base and writing surface frame shall be finished in textured flat black baking enamel. Top, lower front panel and rear door shall be finished in ____________ (specify color Royal Blue number 35, Satin Beige number 31). Decorative plastic laminate insert panel shall be ____________ (specify color). Horizontal and vertical side trim shall be satin clear anodized aluminum. Writing surface shall be plastic laminated hardboard Model No. ____________ (specify color) mounted from bottom with hidden screws.

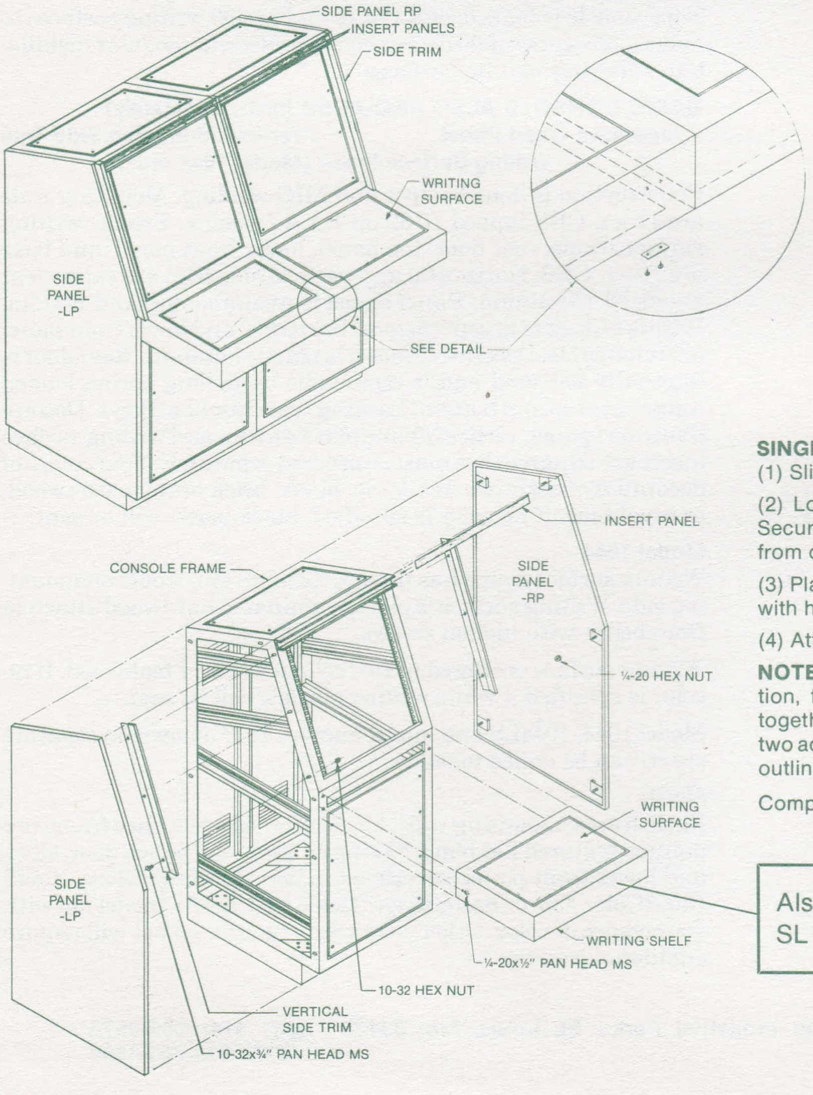
Modular Installations:

Consoles are to be installed in a row of ____________ (specify quantity).

Each console is to have decorative insert panel. Vertical side trim shall be used between each console and between console and side panel. Sufficient hardware is to be furnished to complete installation.

Optional:

Side panels shall be Soundolier model number ____________. Side panels are to be of 16 ga. CRS with five ¼-20 studs mounted to secure to frame with hex nuts. Casters are to be provided on installation (singly or modular).



SINGLE UNIT ASSEMBLY INSTRUCTIONS:

(1) Slide insert panel into top aluminum trim piece.

(2) Locate side aluminum trim pieces. Notched end goes up. Secure with 10-32 x ¾" pan head MS and hex nuts. Insert screw from outside and place nut on inside.

(3) Place end panels against frame. Threaded ¼-20 studs line up with holes in frame. Secure with ¼-2 - hex huts.

(4) Attach writing shelf to frame with ¼-20 x ½" pan head MS.

NOTE: If consoles are to be racked together in a modular installation, follow step 1, 2 and 4 as outlined above. Bolt consoles together using the holes normally used for the end panels plus two additional holes for a tighter fit, then secure the end panels as outlined in step 3 above at each end of the installation.

Complete assembly instructions are sent with each unit.

Also availabile in ALL laminated hardboard. See SL 1251 for more information.

select series

SLOPE FRONT CONSOLE

1047

WITHOUT
WRITING
SURFACE

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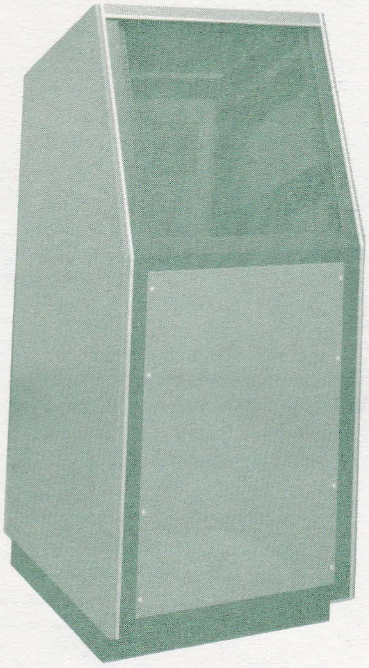


> *Soundolier's* **select series** *of 19" equipment cabinets encompass racks, slope front consoles, turrets, wedge sections and a full line of customizing accessories. Because this series is modular in concept, all possible combinations cannot be shown. However, enough examples are shown to complete any installation. See SL1231 and SL1246 for an overall view of the series. For more ordering information see SL1236A.*

FEATURES:

- **Modular concept**
- **Attractive 2 tone design**
- **Trim lines**
- **Tapped mounting rails**
- **Choice of color combinations**
- **25½" deep**
- **Quality construction**
- **Easy access to equipment**
- **Simple assembly**
- **Decorative insert panels**
- **All hardware furnished**
- **Open sides for easy wiring**
- **Removable top panel**
- **Louvered rear door**
- **Pontoon base**

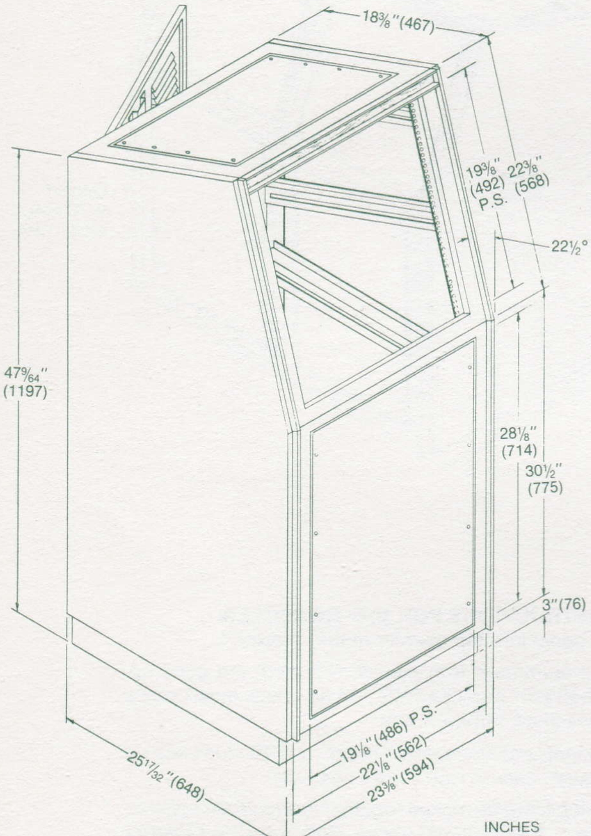
Model No. 1047

BASIC CONSOLE CONSISTS OF:

- **Frame**
- **Mounting Rails**
- **Rear Door**
- **Top Panel**
- **Lower Front Panel**
- **Base**
- **Horizontal Aluminum Trim**

BASIC CONSOLE ALSO REQUIRES (order separately)

- **Decorative Insert Panel**
- **Vertical Aluminum Side Trim**



The 1047 slope front console is for installations not requiring any writing surfaces. Decorative insert panel is offered in four colors: black, teakwood, brick orange and royal blue. If no color is specified, black will be sent. The 1047 console requires two vertical side trims each side, (upper and lower) between side panels and/or adjoining frames.

Construction is done by spot and MIG welding. Mounting rails are 11 ga. CRS tapped 10-32 on E.I.A. spacing. Frame, rear door, top panel, lower front panel, optional side panels and base are 16 ga. CRS. Horizontal and vertical side trim are satin clear anodized aluminum. Panel space is available top and bottom. Base is tapped to accept casters. Lower front panel and top panel are removable. Top panel is also available in a louvered version, suffix Model No. with **LV**. Decorative insert is plastic laminate. Rear door is louvered and removable by pulling spring loaded hinge pins top and bottom. Rear door is lockable. Two keys furnished.

Options:

Side panels are made of 16 ga., CRS. Each panel has five ¼-20 weld studs. Panel is secured to frame with hex nuts. Side panels are ordered left or right as you face front of console.

Casters model number **CS-8PR** consists of one pair of swivel casters. One complete console requires 4 casters ("2" CS-8PR). Adjoining consoles require only 2 casters ("1" CS-8PR) at juncture.

Finish:

Frame, mounting angles and pontoon base are painted textured flat black baking enamel. Removable top panel, side panels, lower front panel, and door can be ordered in two standard colors, Royal Blue (color #35) or Satin Beige (color #31). Suffix Model No. with your choice of color. Other colors are available but require additional lead time.

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SLOPE FRONT CONSOLE MODEL NO. 1047

	Colors Suffixes		Vertical Side Trim		Side Panels		
Model No.	Royal Blue	Satin Beige	Top	Bottom	Left	Right	Left & Right
1047*	-35	-31	1047STA	1047STB	1047LP	1047RP	1047LRP
REQUIRED DECORATIVE INSERT PANELS (Order Separately)							
Color	Black	Brick Orange	Teakwood	Royal Blue	**NOTE:** Black will be sent if no color is specified		
Model Number	BK1	OR1	TK1	RB1			

*For louvered top panel suffix Model No. with **LV**, i.e., 1047LV.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

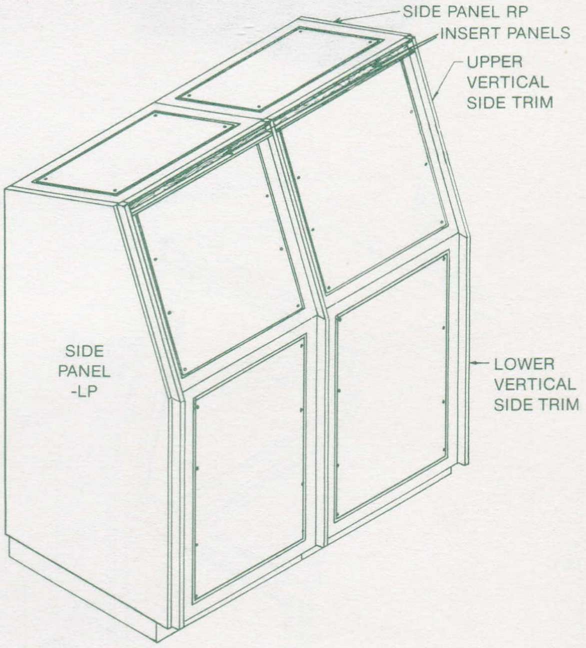
Slope front console shall be Soundolier model number 1047 or approved equal. The console shall be constructed of 16 ga. CRS with 11 gauge CRS mounting rails. Mounting rails shall be tapped 10-32 on E.I.A. spacing.

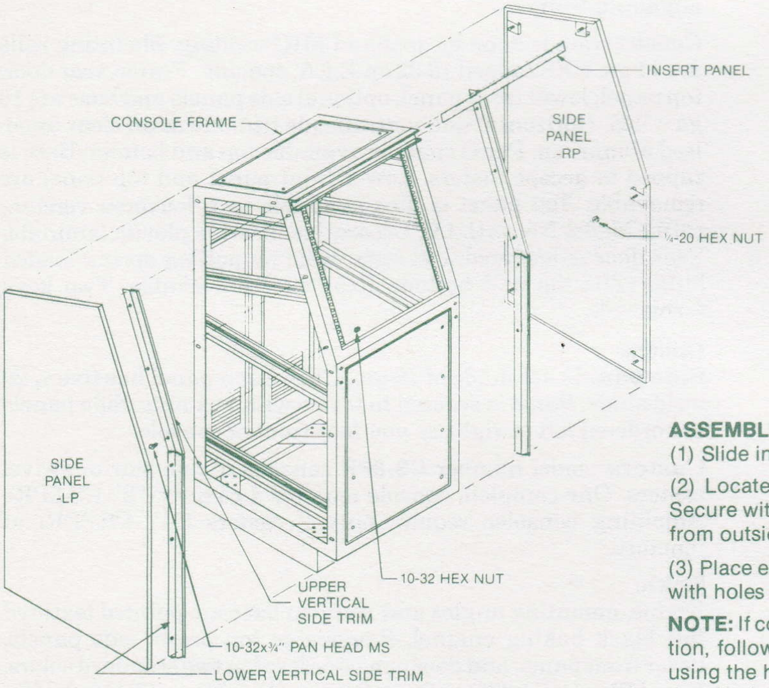
Basic console shall consist of frame, mounting rails, rear internally louvered lockable door, removable top panel, removable lower front panel, and pontoon base. The console shall have a two tone finish. Frame, mounting rails and pontoon base shall be finished in textured flat black baking enamel. Top panel, lower front panel and rear door shall be finished in ________ (specify color). Decorative plastic insert panel shall be ________ (specify color). Horizontal and vertical side trim shall be satin clear anodized aluminum.

Modular Installations:
Consoles are to be installed in a row of ________ (specify quantity). Each console is to have decorative insert panel. Vertical side trim shall be used between each console and between console and side panel. Sufficient hardware is to be furnished to complete installation.

Optional:
Side panels shall be Soundolier model number ________. Side panels are to be of 16 ga. CRS with five ¼-20 studs mounted to secure to frame with hex nuts.

Casters are to be provided on installation (singly or modular).





ASSEMBLY INSTRUCTIONS FOR 1047 CONSOLES:

(1) Slide insert panel into top aluminum trim piece.

(2) Locate side aluminum trim pieces. Notched end goes up. Secure with 10-32 x ¾" pan head MS and hex nuts. Insert screw from outside and place nut on inside.

(3) Place end panels against frame. Threaded ¼-20 studs line up with holes in frame. Secure with ¼-20 - hex huts.

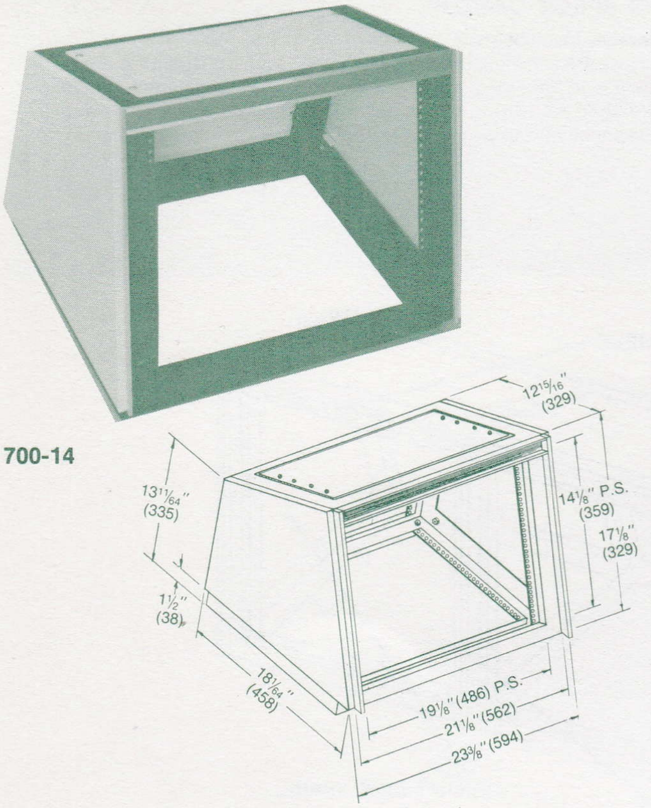
NOTE: If consoles are to be racked together in a modular installation, follow step 1, 2 as outlined above. Bolt consoles together using the holes normally used for the end panels plus two additional holes for a tighter fit, then secure the end panels as outlined in step 3 above at each end of the installation.

Complete assembly instructions are sent with each unit.

select series

SLOPE FRONT TURRETS

700-14
700-19



soundolier, inc.

Soundolier's **select series** *of 19″ equipment cabinets encompass racks, slope front consoles, turrets, wedge sections and a full line of customizing accessories. Because this series is modular in concept, all possible combinations cannot be shown. However, enough examples are shown to complete any installation. See SL1231 and SL1246 for an overall view of the series. For more ordering information see SL1236A.*

FEATURES:

- Modular concept
- Attractive 2 tone design
- Trim lines
- Choice of color combinations
- Quality construction
- Easy access to equipment
- Simple assembly
- Decorative insert panels
- All hardware furnished
- Open sides for easy wiring
- Removable top panel

BASIC TURRET CONSISTS OF:

- Frame
- Top Panel
- Back Panel
- Base
- Horizontal Aluminum Trim

BASIC TURRET ALSO REQUIRES (order separately)

- Decorative Insert Panel
- Vertical Aluminum Side Trim

Soundolier's select series slope front turrets are desk top assemblies designed for easy viewing of monitoring equipment.

Decorative insert panel is offered in four colors: Black, Teakwood, Brick Orange or Royal Blue. If no color is specified black will be sent. Select series turrets are available in 2 standard sizes. Model No. 700-14 has 14⅛″(359mm) vertical panel space and No. 700-19 has 19⅜″(492mm) vertical panel space. Construction is 16 ga. CRS spot and MIG welded. Stationary mounting rails on front, rear, top and bottom are punched 9/32″(7mm) diameter holes to E.I.A. standards. Decorative insert panel is plastic laminate. Horizontal and vertical side trim are satin clear anodized aluminum.

Finish

Frame is textured flat black baking enamel. Top panel, back panel and sides are available in two standard colors. Royal Blue (color #35) or Satin Beige (color #31). Suffix Model No. with your choice of color. Other colors are available but require additional lead time.

Options

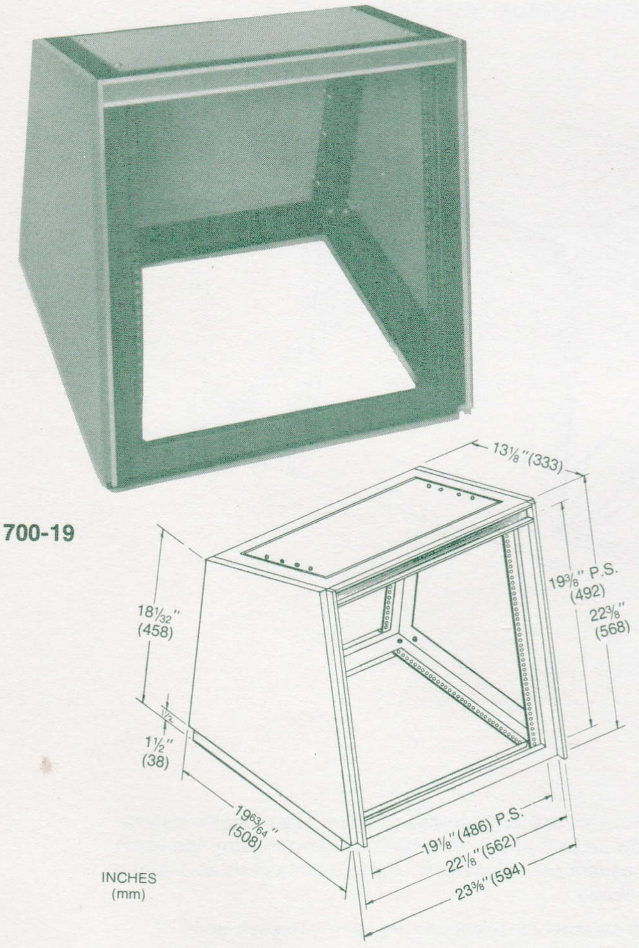
Side panels are made of 16 ga. CRS. Each panel has four ¼-20 weld studs. Panel is secured to frame with hex nuts. Side panels are ordered left or right as you face turret.

Model No.	Color Suffix		Overall Depth	Vertical Panel Space
	Royal Blue	Satin Beige		
700-14*	-35	-31	18 1/64″(458mm)	14⅛(359mm)
700-19*	-35	-31	19 63/64″(508mm)	19⅜″(492mm)

*For louvered top and back panels suffix Model No. with **LV**, i.e., 700-14LV.

Decorative Insert Panels

Model No.	Color	Model No.	Color
TK1	Teakwood	RB1	Royal Blue
BK1	Black	OR1	Brick Orange



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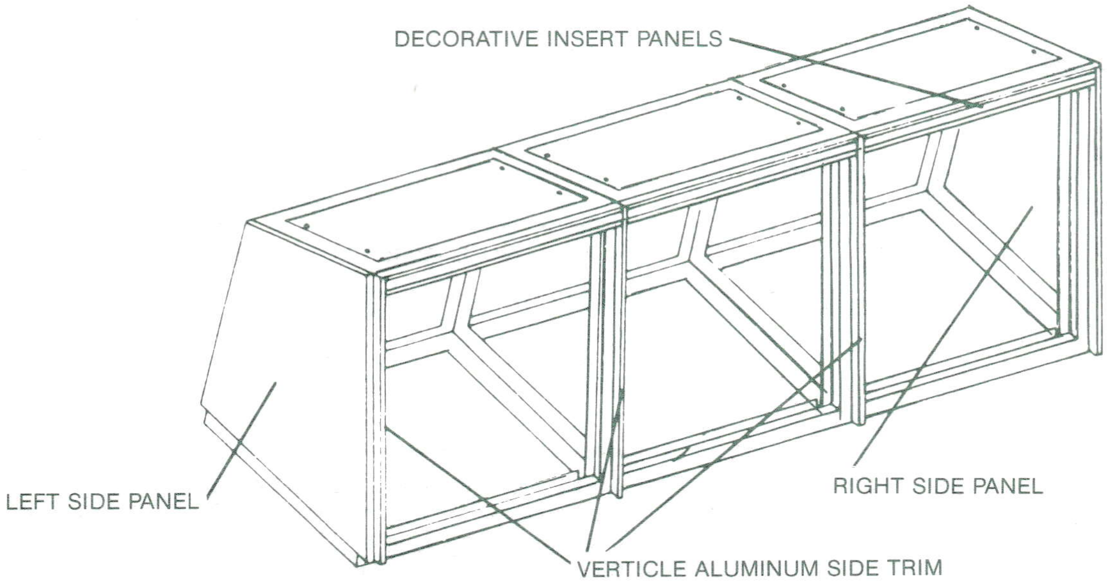
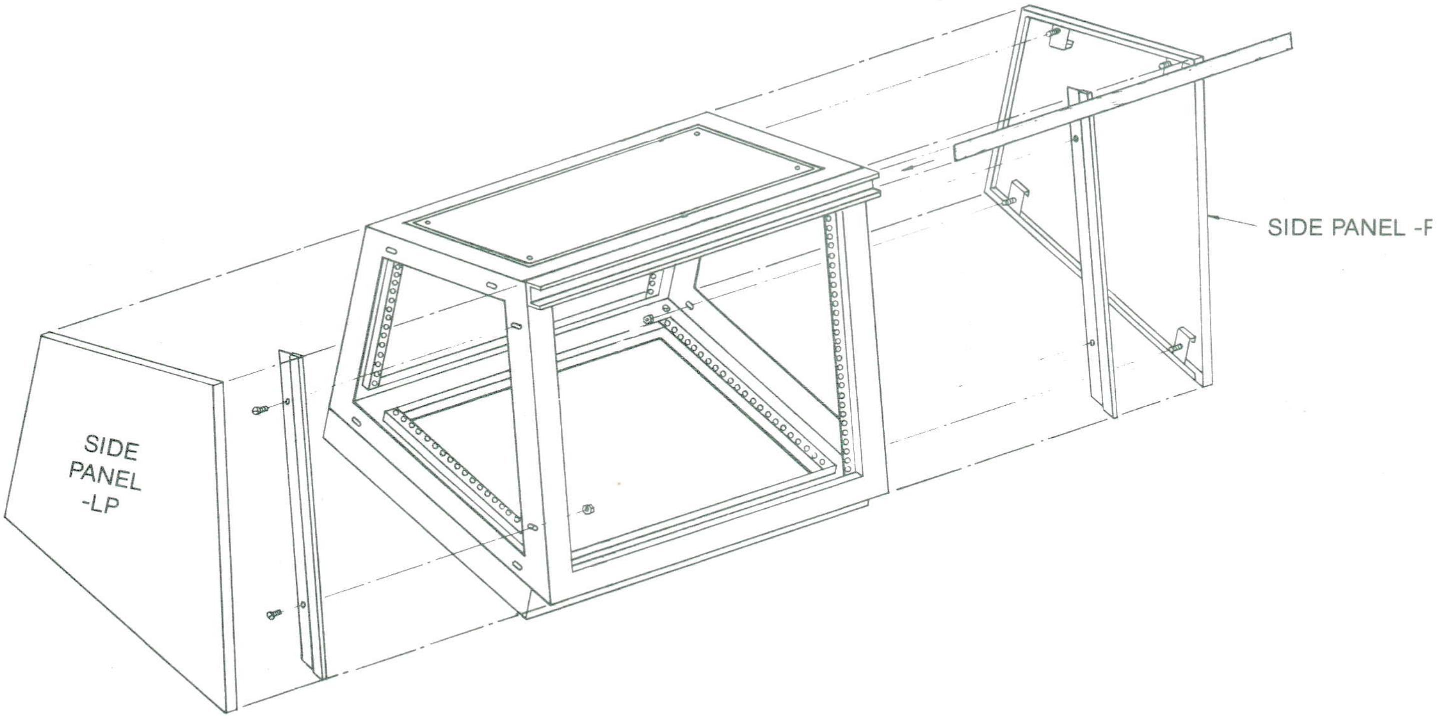
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Turrets shall be Soundolier Model No. __________ (specify size) or approved equal. Turret shall be of a two tone design with frame and base finished in flat black baking enamel. Color of sides, top and back panel shall be __________ (specify color). Horizontal and aluminum side trim shall be of satin clear anodized aluminum. Panel mounting rails shall be punched with $^{9}/_{32}$"(7mm) diameter holes on universal E.I.A. spacing on the front, rear, top and bottom. Plastic laminate decorative insert shall be ________ (specify color).

Modular Installations:
Turrets are to be in a row of __________ (specify quantity). Each turret is to have decorative insert panel. Vertical aluminum side trim shall be used between each turret and between turret and side panel. All hardware shall be furnished to complete installation.





SINGLE UNIT ASSEMBLY INSTRUCTIONS:

(1) Slide insert panel into top aluminum trim piece.

(2) Locate side aluminum trim pieces, notched end goes up. Secure with (4) 10-32 x ¾" pan head machine screws and hex nuts. Insert screw from outside and place nut on inside.

(3) Place end panel against frame. Threaded ¼-20 studs line up with holes in frame. Secure with ¼-20 hex nuts.

NOTE: If turrets are to be racked together in a modular installation, follow steps 1 and 2. Bolt turrets together using the holes normally used for the end panels. Secure end panels as outlined in step 3 above.

Complete assembly instructions are sent with each unit.

select series

WEDGES AND CORNER WRITING SURFACES

1044-45 **714-45**
144 Series **719-45**

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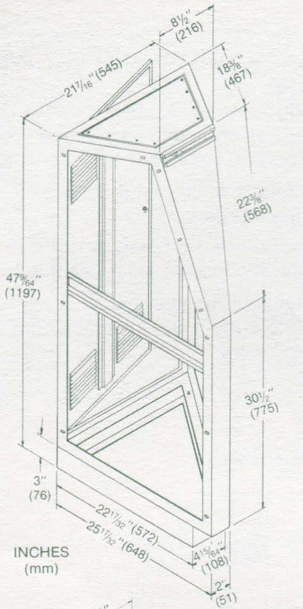
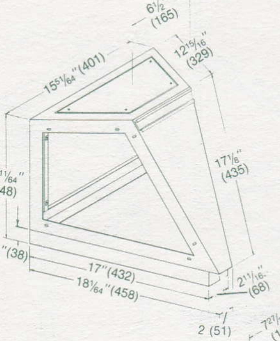
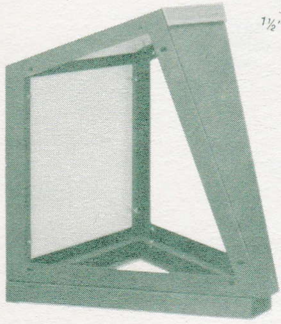
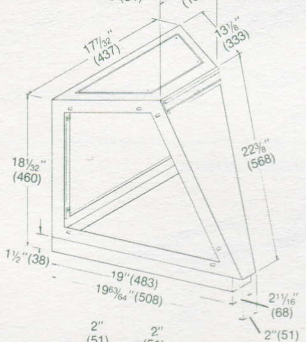
1044-45


8½" (216)
21⁷⁄₁₆" (545)
18⅜" (467)
22⅜" (568)
47⁹⁄₆₄" (1197)
30½" (775)
3" (76)
22¹⁷⁄₃₂" (572)
25¹⁷⁄₃₂" (648)
4¹⁵⁄₆₄" (108)
2" (51)
INCHES (mm)

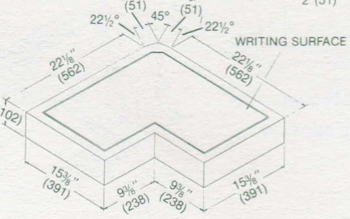

6½" (165)
15⁵¹⁄₆₄" (401)
12⁶¹⁄₆₄" (329)
17⅛" (435)
13¹¹⁄₆₄" (348)
1½" (38)
17" (432)
18¹⁄₆₄" (458)
2¹¹⁄₁₆" (68)
2 (51)



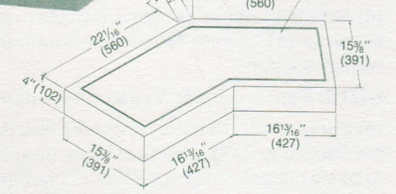
719-45 (shown)


7²⁷⁄₃₂" (199)
17⁷⁄₃₂" (437)
13⅛" (333)
22⅜" (568)
18¹⁄₃₂" (460)
1½" (38)
19" (483)
19⁶³⁄₆₄" (508)
2¹¹⁄₁₆" (68)
2" (51)

144-90


2" (51)
22½°
45°
2" (51)
22½°
WRITING SURFACE
22⅛" (562)
22⅛" (562)
4" (102)
15⅜" (391)
9⅜" (238)
9⅜" (238)
15⅜" (391)

144-45


2" (51)
22½°
22½°
22¹⁄₁₆" (560)
WRITING SURFACE
22¹⁄₁₆" (560)
15⅜" (391)
4" (102)
16¹³⁄₁₆" (427)
15⅜" (391)
16¹³⁄₁₆" (427)

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Model No. 1044-45 Wedge Console
Model No. 714-45 & 719-45 Wedge Turret

BASIC UNIT CONSISTS OF:

- Frame
- Top Panel
- Back Panel (Turrets)
- Base (Consoles)
- Horizontal Aluminum Trim
- Louvered Rear Door (Consoles)

BASIC UNIT ALSO REQUIRES (order separately)

- Decorative Insert Panel

GENERAL:

Wedge sections are designed to make corners in modular installations for both slope front consoles and turrets. All wedge sections, console or turret, have no actual panel space but have open sides for wiring access between adjoining units. Two 45 degree wedge sections must be used to accomplish a 90 degree corner. Wedge sections are made of 16 gauge CRS. Frames are all painted textured flat black baking enamel. As on all Soundolier **select series** products you have a choice of two standard colors for top and back panels (turrets) or rear door (consoles): Royal Blue (color #35) or Satin Beige (color #31), suffix model number with color choice. Other colors are available but require additional lead time. Four colors of decorative insert panels are available on console or turret wedge sections: black, teakwood, brick orange, and royal blue. See decorative insert panel chart for model numbers. If no color is specified black insert panel will be sent.

WEDGES AND CORNER WRITING SURFACES

Console wedge section 1044-45 is for use with either Model No. 1044LS or 1047 consoles. Turret wedge section 714-45 is for use with Model No. 700-14 turrets, (14" 356mm panel space). Turret wedge section 719-45 is for use with Model No. 700-19 turrets, (19" 483mm panel space). The 144 series 45 degree and 90 degree writing surface assemblies are for use with 1044LS consoles only.

CONSOLE WEDGE SECTION:

The 1044-45 is a 45 degree wedge section for use with our **select series** 1044LS or 1047 consoles. Use a 1044LS slope front console if you need writing surfaces in the corner. Use the 1047 slope front console if no writing surface is required. The 1044-45 slope front console wedge section has a louvered rear door for easy access. The basic 1044-45 wedge section consists of frame, louvered full length locking rear door, base, removable top panel and horizontal aluminum trim. Decorative insert panel is required but must be ordered separately. Aluminum vertical side trim is ordered with the basic 1044LS or 1047 console.

TURRET WEDGE SECTIONS:

There are two sizes of wedge sections to fit our model numbers 700-14 and 700-19 turrets. Turret wedge section 714-45 is a 45 degree wedge section for Soundolier model number 700-14 turret. The 719-45 is a 45 degree wedge section for 700-19 turret. The basic model number 714-45 and 719-45 forty-five degree turret wedge sections consists of frame, base, removable back and top panel, and horizontal aluminum trim. Decorative insert panel is required but must be ordered separately. See decorative insert panel chart for model numbers. Vertical aluminum side trim is ordered with basic turrets model numbers 700-14 or 700-19.

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DECORATIVE INSERT PANEL - MODEL NUMBERS

	Console	Turrets	
Color	1044-45	714-45	719-45
Black	BKI-45	BK3-45	BK4-45
Teakwood	TKI-45	TK3-45	TK4-45
Orange	ORI-45	OR3-45	OR4-45
Royal Blue	RBI-45	RB3-45	RB4-45
If no color is specified black will be sent			

CORNER WRITING SURFACES:

The 144 series 45 degree and 90 degree writing surface assemblies consists of a 16 gauge CRS frame painted textured flat black baking enamel and a plastic laminated hardboard writing surface. Writing surface is attached from below with hidden screws. Two colors of writing surface are available: Teakwood or White. See writing surface chart for model numbers. 144 series writing surfaces are used with model number 1044LS slope front consoles only and replace standard 1044 writing surface assemblies on corner installations. Six ½ inch(13mm) knockouts are provided on mounting side of 144 series writing surface frame for wiring convenience.

WRITING SURFACE MODEL NUMBERS

Color	45 degrees	90 degrees
White	WHS-144-45	WHS-144-90
Teakwood	TKS-144-45	TKS144-90
If no color is specified white will be sent		

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

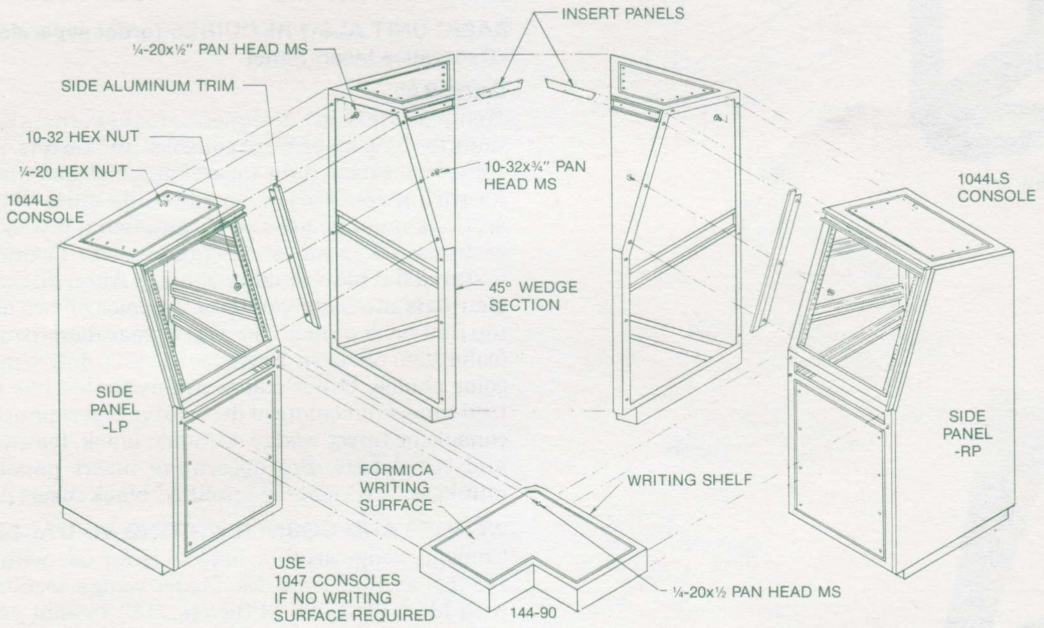
NOTE:

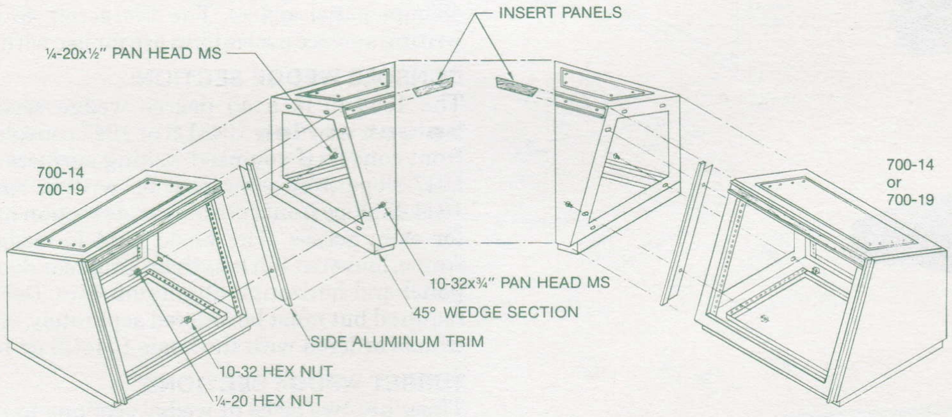
Wedge sections are to be used with other Soundolier select series consoles or turrets only. When ordering modular installations of turrets and 1047 slope front consoles use the following statement:

Modular installation is to have a __________ (specify 45 or 90 degree corner).

If modular installation is to have writing surface in the corner (1044LS consoles only) use this statement:

Installation is to have a __________ (45 or 90 degree corner with writing surfaces). Color of writing surface is to be __________ (specify color).


INSERT PANELS
¼-20x½" PAN HEAD MS
SIDE ALUMINUM TRIM
10-32 HEX NUT
¼-20 HEX NUT
1044LS CONSOLE
10-32x¾" PAN HEAD MS
45° WEDGE SECTION
1044LS CONSOLE
SIDE PANEL -LP
SIDE PANEL -RP
FORMICA WRITING SURFACE
WRITING SHELF
USE 1047 CONSOLES IF NO WRITING SURFACE REQUIRED
144-90
¼-20x½ PAN HEAD MS


INSERT PANELS
¼-20x½" PAN HEAD MS
700-14
700-19
700-14 or 700-19
10-32x¾" PAN HEAD MS
45° WEDGE SECTION
SIDE ALUMINUM TRIM
10-32 HEX NUT
¼-20 HEX NUT

ASSEMBLY INSTRUCTIONS FOR WEDGE SECTIONS:

(1) Slide insert panel into horizontal aluminum trim pieces before turrets and/or console and wedge sections are bolted together.

(2) Locate side aluminum trim pieces. Notched end of trim goes up. Secure with 10-32 x ¾" Pan Head Machine screws and hex nuts. insert screws from inside of wedge section and nuts on inside of frame.

(3) Bolt wedge section to turret or console frame using remaining holes in each side. (4 holes on turrets, 7 holes on consoles.) Attach with ¼-20 x ½" pan head machine screws and hex nuts.

(4) Bolt the wedge sections together using ¼-20 x ½" machine screws and hex nuts. No vertical aluminum side trim between two wedge sections.

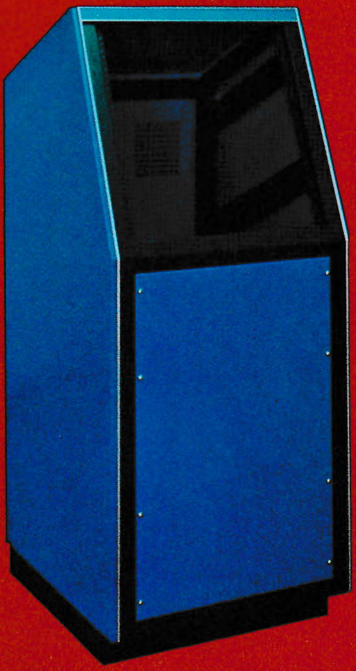
NOTE: Step 4 will not be used in 45 degree installation.

(5) (for use with 1044LS consoles only) Remove plastic laminated hardboard writing surface from writing frame. Bolt writing frame to basic consoles using ¼-20 x ½" machine screws to nuts welded on inside of console frame. Replace writing surface.

Complete assembly instructions are sent with each unit.

select series
MODULAR EQUIPMENT CABINETS FROM
soundolier

WEDGE SECTIONS
FLUSH DOOR
MONITOR PANELS
POWER PANELS
1047 SLOPE FRONT CONSOLE



Model 1047

SELECT SERIES SLOPE FRONT CONSOLE
Model 1047

Soundolier Model 1047 Slope Front Console is the same basic design as Soundolier Model 1044, except that it will not mount a writing surface.

It is moduler in design and can be joined side by side with other 1047 or 1044 consoles. (NOTE: The lower section of extruded aluminum side trim may not be used when joining a 1047 to a 1044 console).

The 1047 Slope Front Console may be used in moduler installations using the 1044-45 Corner Section to accomplish a 45 degree or 90 degree corner installation.

The basic unit consists of a 16 ga. CRS frame painted textured flat black baking enamel with 11 ga. CRS mounting angles and a louvered full length locking rear door which is easily removed. Additionally, the top and lower front panels and pontoon base are removable. Mounting angles are tapped 10-32 on universal E.I.A. hole spacing and are movable from front to rear. Caster mounting plates are tapped for easy installation of Soundolier CS-8PR Casters.

Side panels and casters are optional. Color selections include Soundolier's standard Royal Blue (Color No. 35) or Satin Beige (Color No. 31). Extruded aluminum side trim and decorative insert panel must be ordered separately.

Model No.	Vertical Panel Space	Options
1047	19⅜" Top front 28⅛" Bottom front	Side panels Casters

Model 1044-45

SELECT SERIES SLOPE FRONT 45 DEGREE WEDGE SECTION
Model 1044-45

Soundolier Model 1044-45 Corner Wedge Section is designed for use with the 1044 and 1047 Slope Front Consoles. It is a complete self supporting unit.

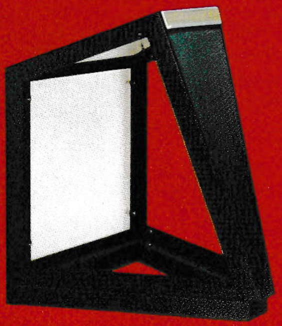
Our Model 1044-45 with adjacent 1044 or 1047 Consoles will produce a modular console assembly with a 45 degree corner bend. Two Model 1044-45 sections with adjacent consoles provide a 90 degree corner installation.

There are *no* front panel mounting openings or mounting angles.

When used with adjacent 1044 type consoles, a complete modular installation may be accomplished by utilizing Soundolier Writing Surface Series 144-45 or 144-90 for 45 degree and 90 degree writing surfaces respectively.

The basic 1044-45 unit consists of a 16 ga. CRS frame painted textured flat black baking enamel louvered full length locking rear door which is easily removed as well as a removable top panel and pontoon base. It is available in standard Soundolier Royal Blue (Color No. 35) or Satin Beige (Color No. 31). The decorative insert panel must be ordered separately.

Model No.	Description	Options
1044-45	45 degree Wedge section	None



Model 719-45

SELECT SERIES TURRET 45 DEGREE WEDGE SECTION
Models 714-45 and 719-45

Soundolier Models 714-45 and 719-45 Wedge Sections are designed for use with the 700-14 and 700-19 Desk turrets respectively. Each wedge section is a complete self supporting unit.

One 714-45 or 719-45 Wedge Section used with the appropriate turret will produce a modular 45 degree assembly. Two units will provide a 90 degree corner installation.

There are *no* front panel mounting openings.

Basic unit consists of a 16 ga. CRS frame painted textured flat black baking enamel base and removable top and back panels. It is available in standard Soundolier Royal Blue (Color No. 35) or Satin Beige (Color No. 31). The decorative insert panel must be ordered separately.

Model No.	Description	Options
714-45	45 degree Wedge Section for 700-14 turret	None
719-45	45 degree Wedge Section for 700-19 turret	None

SELECT SERIES 144 SERIES 45 DEGREE AND 90 DEGREE WRITING SURFACES

The 144 Series writing surfaces are designed to be used with Soundolier's 1044LS slope front consoles and 1044-45 corner wedge sections. The writing surface frame is constructed of 16 ga. CRS steel with choice of Teakwood (TKS) or White (WHS) laminate writing surface. Versions for 45 degree or 90 degree console configurations are available.

Six ½" knockouts are provided on the rear portion of each writing surface. The 16 ga. CRS frame is painted in Soundolier textured flat black baking enamel to match the 1044LS consoles.

Model No.	Description
WHS 144-45	45 degree writing surface with white laminate writing insert
TKS 144-45	Same as above but with teakwood laminate writing insert
WHS 144-90	90 degree writing surface with white laminate writing insert
TKS 144-90	Same as above but with teakwood laminate writing insert

SELECT SERIES FLUSH FRONT CABINET DOORS

The SELECT SERIES front doors Model No. 2000FD fit Soundolier's SELECT SERIES cabinets (Model Nos. 2036 thru 2077). To maintain the trim appearance of this series of quality cabinets a recessed door pull is used. Spring pull pin type hinges facilitate rapid access to equipment. For security a key lock is standard - 2 keys furnished. Construction is of 16 gauge CRS As in the SELECT SERIES cabinets two colors are available. Royal Blue (Color No. 35) or Satin Beige (Color No. 31). Suffix model number with either of these color numbers, i.e., 2036FD-35 for Royal Blue. Other colors may be ordered but require additional lead time.

Model No.	Description
2036FD	Front door for Soundolier SELECT SERIES Model 2036
2042FD	Front door for Soundolier SELECT SERIES Model 2042
2061FD	Front door for Soundolier SELECT SERIES Model 2061
2070FD	Front door for Soundolier SELECT SERIES Model 2070
2077FD	Front door for Soundolier SELECT SERIES Model 2077

NOTE: See Soundolier brochure #SL1231 for information on Soundolier SELECT SERIES cabinets.

SELECT SERIES FLUSH MOUNT MONITOR & POWER PANELS

Soundolier's Flush Mount Monitor and Power Panels are constructed of 16 gauge CRS and are designed to be used with our select cabinet series. They have a ⅝"(16mm) return on all four sides, to maintain a flush appearance. Two colors are available as standard; Royal Blue (Color No. 35) and Satin Beige (Color No. 31). Other colors may be ordered but require additional lead time.

Model MVX-293 monitor panel is a compact (3½")(89mm) panel to be used with any multi-channel sound system. It provides aural and visual monitoring with the turn of a switch. A double pole, six position switch is wired to supply five program channels with a sixth "off" position. Each channel connects to two screw terminals on the rear of the panel. A 70 volt or 25 volt line may be monitored.

A 3"(76mm) speaker is used for aural monitoring connected through a potentiometer for level selection. Potentiometer and channel selector are on a black plate with white nomenclature. Speaker grille is slightly raised.

The VU meter has a long life thermoplastic case. The meter movement is a moving coil design and has a type A meter scale.

Model MX-293 is identical to MVX-293 except the VU meter is not provided.

Model MVX-295 is identical with the MVX-293 except a high compliance Soundolier 4"(102mm) FC104 speaker is used for better aural monitoring. A high quality Soundolier HT-82 line transformer is also used. Panel height is 5¼"(133mm).

Model MVX-2910 is identical to MVX-293 except the panel is 10½"(267mm) high and the monitor speaker is an 8"(203mm) unit.

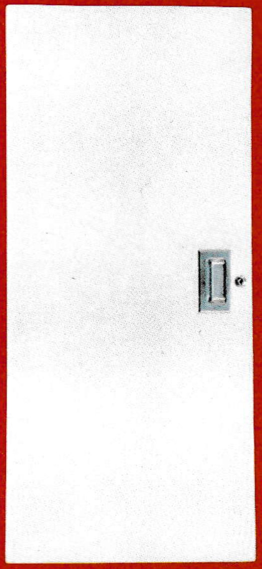
Model MX-2910 is identical to MVX-2910 except a VU meter is not provided.

Model ACR-293 master power panel controls AC power. The main switch is a DPST rocker type and switches both sides of the power line. A red jewel, neon pilot lite indicates whether AC power is on or off. Eight outlets are provided, six controlled by main switch and two non-switched outlets. Each outlet is grounded. A 15 amp fuse is provided. Back of panel has a ⅞"(22mm) hole which accepts ½"(13mm) conduit fittings.

Model ACK-293 is identical to the model ACR-293 except a key switch is used for security. Two keys are provided.

Model TKS144-90

Model TKS144-45

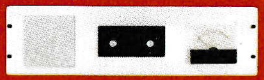


Model 2000FD

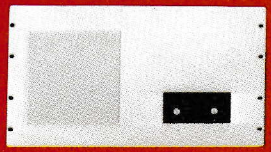
Model MX293

Model MVX293

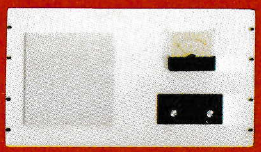
Model MVX295



Model MX2910



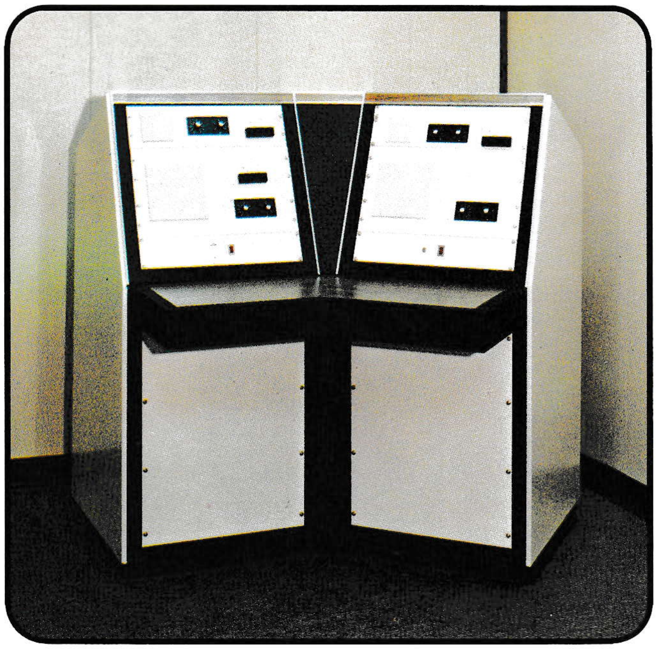
Model MVX2910



Model ACK293

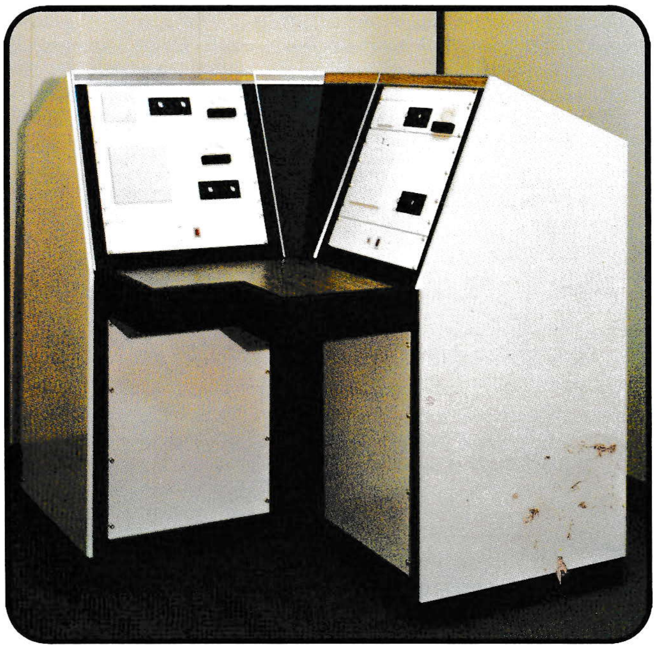
Model ACR293

TYPICAL INSTALLATIONS



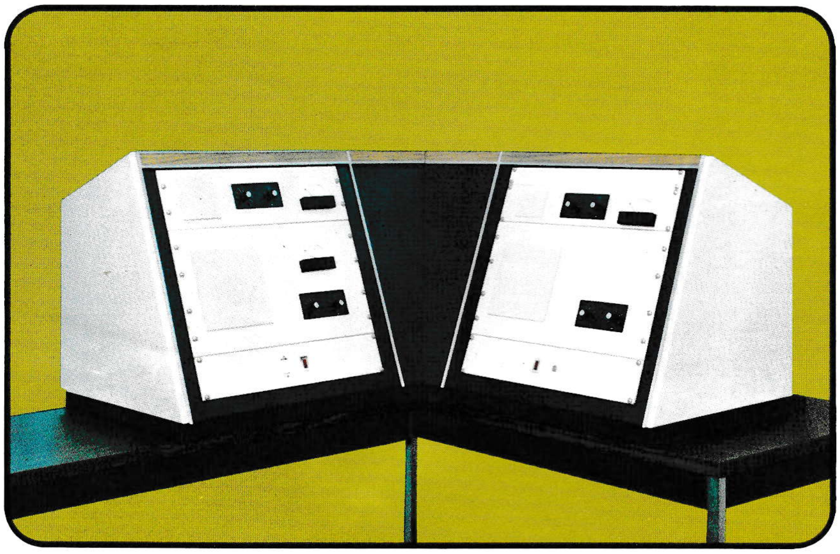
SELECT SERIES SLOPE FRONT CONSOLE 45 DEGREE INSTALLATION

The above installation includes two 1044LS Slope front Consoles connected to one 1044-45 forty-five degree Wedge Section. A TKS 144-45 forty-five degree Writing Surface completes the modular assembly.



SELECT SERIES SLOPE FRONT CONSOLE 90 DEGREE INSTALLATION

The above installation includes two 1044LS Slope Front Consoles connected to two 1044-45 forty-five degree Wedge Sections to make a total 90 degree installation. A TKS144-90 Writing Surface completes the modular assembly.



SELECT SERIES TURRET 90 DEGREE INSTALLATION

The installation at left includes two 700-19 slope front desk turrets connected to two 719-45 forty-five degree wedge sections to complete a 90 degree desk top installation.

Soundolier is the industry leader in the fabrication of products to satisfy the special needs of our customers. Call us COLLECT with your specialized cabinet requirements.

FOR MORE INFORMATION ON "HOW TO ORDER" REQUEST SL1236A

soundolier, inc.
9380 WATSON INDUSTRIAL PARK / ST. LOUIS, MISSOURI 63126
(314) 962-9870
TWX 910 - 760-1650

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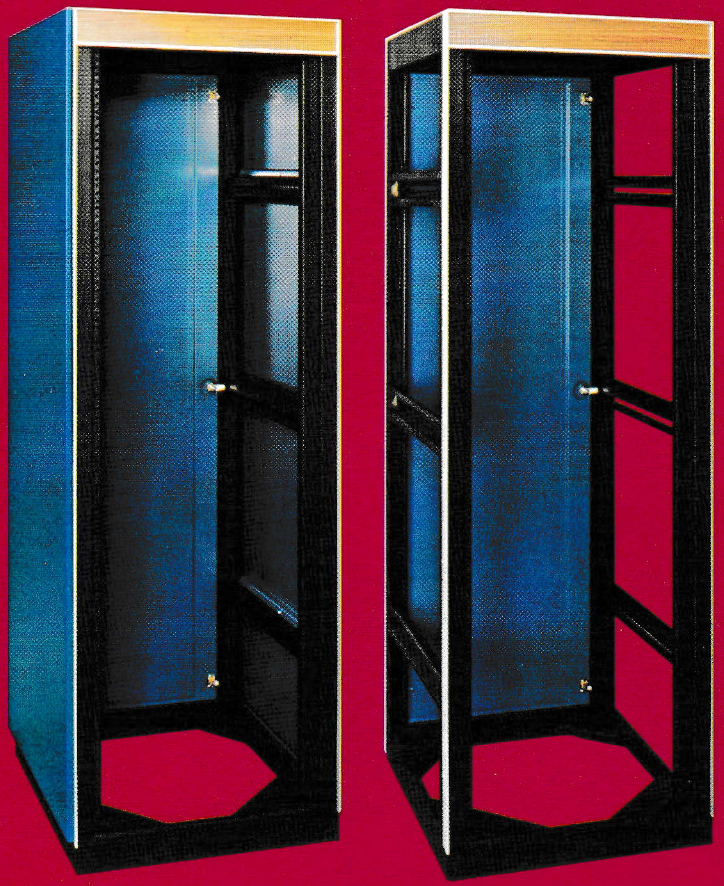
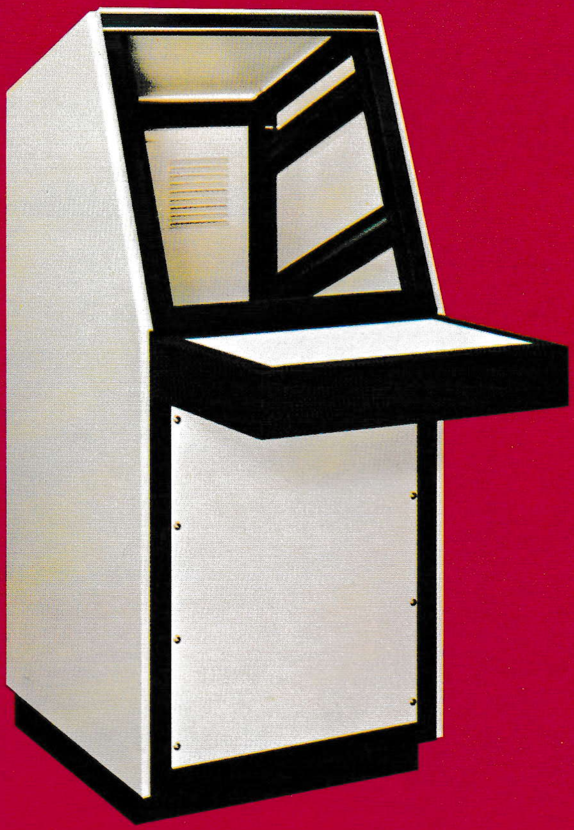
soundolier

MODULAR EQUIPMENT CABINETS FROM soundolier

2000 SERIES VERTICAL RACKS



1044 SLOPE FRONT CONSOLE



- STANDARD SOUNDOLIER COLORS ARE AVAILABLE FOR DOORS, TOP AND SIDE PANELS • SUPERIOR CONSTR
- EASY TO ASSEMBLE • YOUR CHOICE OF TEAKWOOD, BLACK, ROYAL BLUE OR BRICK ORANGE INSERT PANELS
- INCLUDES CROSS-SLOTTED WASHER HEAD PANEL MOUNTING HARDWARE • STANDARD 19"(483mm) RACK PAN

HEAVY DUTY VERTICAL CONSOLES

The 2000 Series, vertical, multi-racks are the result of our best technical knowledge using an innovative design and our superior construction techniques. Aesthetics were a major consideration in producing these modern, "plush" looking cabinets. Sides and door appear flush, and the many color combinations offered, will compliment any decor.

The modular concept, utilizing standard 19"(483mm) rack panels, and easy assembly of units, offers maximum flexibility. The open side approach makes wiring convenient. No nuts or bolts for the removal of doors and side panels makes servicing electronic components a real time saver.

The 2000 Series consists of a 16 ga. C.R.S. frame and 11 ga. C.R.S. mounting angles. Panel mounting angles are tapped 10-32 on universal E.I.A. hole spacing and are movable front to rear. Doors are easily removed through the use of spring pull pin type hinges. Caster plates provided are tapped for easy caster installation.

The frame, mounting angles and base are finished in textured flat black baking enamel. A satin, clear annodized aluminum trim provides a contrast to the textured black frame. The plastic insert panel on top front of cabinet is available in teakwood, black, royal blue or brick orange. Standard colors for tops, sides and doors of this series will be Soundolier's new Royal Blue (Color No. 35) or Satin Beige (Color No. 31). Please suffix appropriate model number with either of these color numbers. Other Soundolier rack finishes are available but will require some additional lead time.

Model No.	Vertical Panel Space	Options
2036	36⅞"(937mm)	Side Panels
2042	42⅛"(1070mm)	Front Door
2061	61⅜"(1559mm)	Casters
2070	70⅛"(1781mm)	
2077	77⅛"(1959mm)	

HEAVY DUTY SLOPE FRONT CONSOLES

The 1044 Slope Front Console is another example of Soundolier's top quality engineering and modern futuristic design in electronic cabinets. This unit has a wide variety of applications including use in security systems, closed circuit television, police dispatch units, etc. The modular design allows for easy installation of assemblies and the modern color schemes will compliment any building interior.

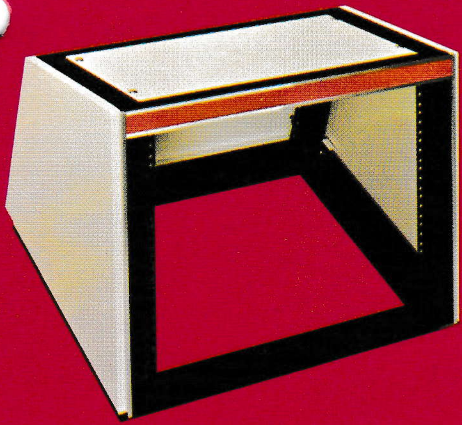
Basic unit consists of a 16 gauge C.R.S. frame with 11 gauge C.R.S. mounting angles, a louvered full length locking rear door which is easily removed, a removable top and lower front panel, pontoon base, and plastic laminate writing surface. Mounting angles are tapped 10-32 on universal E.I.A. hole spacing and are movable from front to rear. Caster plates provided are tapped for easy caster installation.

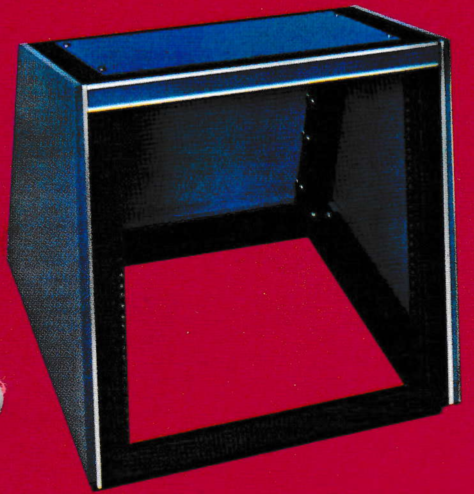
The writing surface may be easily removed for access to standard 19"(483mm) E.I.A. mounting rails. Plastic laminate writing surface is off white or teakwood color. Three ⅞"(22mm) knockouts are provided on the rear portion of the writing shelf.

The frame, mounting angles, pontoon base and shelf assembly are finished in Soundolier textured flat black baking enamel. Standard colors for tops, sides and doors of this series will be Soundolier's new Royal Blue (Color No. 35) or Satin Beige (Color No. 31). Please suffix appropriate model number with either of these color numbers. Other Soundolier rack finishes are available but will require some additional lead time.

Model No.	Vertical Panel Space	Options:
1044	19⅜"(492mm) Top Front 24⅝"(625mm) Bottom Front	Side Panels Casters

700 SERIES SLOPE FRONT TURRETS





- CTION • FUTURISTIC MODULAR DESIGN
- • BRUSHED EXTRUDED ALUMINUM TRIM
- S • CABINET FRAMES TEXTURED BLACK

SLOPE FRONT TURRETS

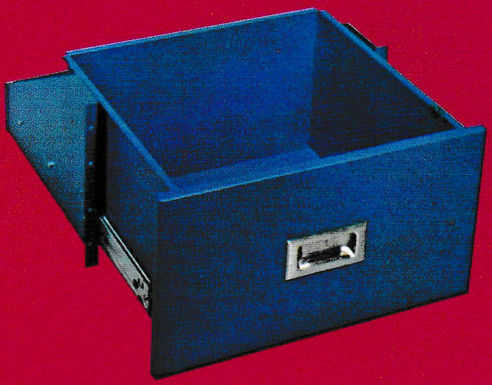
The 700 Series Slope Front Turrets are sturdy, compact modular units designed for standard 19"(483mm) rack panels. These desk top assemblies have a variety of applications, i.e. monitoring systems, closed circuit television, etc. In addition to their functional aspects, the color schemes brighten any office or building interior.

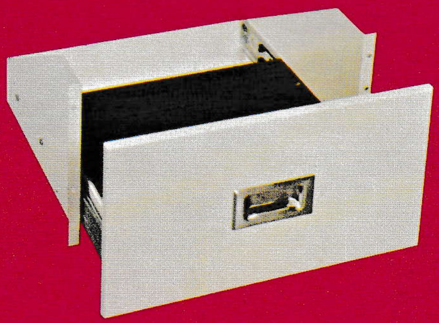
Construction is 16 gauge C.R.S. The 700 Series consists of the frame, base, removable top and back panel. Panel mounting strips are punched with 9/32"(7mm) diameter holes on universal E.I.A. spacing on the front, rear, top and bottom.

The frame and base are finished in Soundolier textured flat black baking enamel. Standard colors for tops, sides and back panels of this series will be Soundolier's Royal Blue (Color No. 35) or Satin Beige (Color No. 31). Please suffix appropriate model number with either of these color numbers. Other Soundolier rack finishes are availalbe but will require some additional lead time.

Model No.	Vertical Panel Space	Options:
700-14	14⅛"(359mm)	Side Panels
700-19	19⅜"(492mm)	

FP SERIES PHONO AND STORAGE DRAWERS





- FLUSH MOUNTED FRONT PANEL
- SATIN CHROME RECESSED PULL
- NEAT, CLEAN APPEARANCE

PHONO AND STORAGE DRAWERS

Ideal uses for the FP Series Storage Drawers include storage of tapes, records, microphones, or other accessories.

The FP Series Phono Drawers are constructed of 16 gauge C.R.S. with the chasis mounted on slides which have nylon tired ball bearing rollers. The slide has tilt-up action for easy removal of chassis section. The phono mounting board is constructed of ¼"(6mm) hardboard with a walnut grain finish. Drawer mounting hardware is supplied with each rack, cabinet or turret. Standard colors for this series will be Soundolier's new Royal Blue (Color No. 35) or Satin Beige (Color No. 31). Please suffix appropriate model number with either of these color numbers. Other Soundolier rack finishes are available but will require some additional lead time.

Model No.	Vertical Panel Space	Depth
Phono Drawers		
PD10-165FP	10½"(267mm)	16½"(419mm)
PD10-145FP	10½"(267mm)	14½"(368mm)
Storage Drawers		
SD7-145FP	7" (179mm)	14½"(368mm)
SD7-165FP	7" (179mm)	16½"(419mm)
SD10-145FP	10½"(267mm)	14½"(368mm)
SD10-165FP	10½"(267mm)	16½"(419mm)

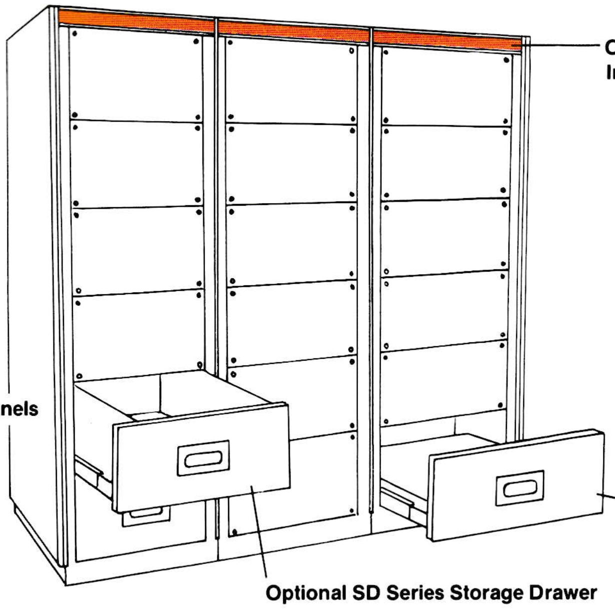
STEEL RACK PANELS

- FLUSH APPEARANCE
- STANDARD COLORS AVAILABLE
- 12 SIZES

FLUSH RACK PANELS

This series of rack panels is available in twelve sizes and will fit all Soundolier Electronic Cabinets accommodating 19"(483mm) rack panels. A flush appearance on the racks is achieved by a ⅝"(16mm) return of the panel around all four sides. Construction is 16 gauge C.R.S. All sizes and hole spacings conform to E.I.A. standards. Panel mounting hardware is supplied with each rack, cabinet or turret. Standard colors for this series will be Soundolier's new Royal Blue (Color No. 35) or Satin Beige (Color No. 31). Please suffix appropriate model number with either of these color numbers. Other Soundolier rack finishes are available but will require some additional lead time.

Blank Panels	Vent Panels	Vertical Panel Space
S219-1	**SVP219-1** ...	1¾"(44mm)
S219-3	**SVP219-3** ...	3½"(89mm)
S219-5	**SVP219-5** ...	5¼"(133mm)
S219-7	**SVP219-7** ...	7" (178mm)
S219-8	**SVP219-8** ...	8¾"(222mm)
S219-10	**SVP219-10** ...	10½"(267mm)
S219-12	**SVP219-12** ...	12¼"(311mm)
S219-14		14" (356mm)
S219-15		15¾"(400mm)
S219-17		17½"(445mm)
S219-19		19¼"(489mm)
S219-21		21" (533mm)



Choice of 4 Decorative Insert Panels

Optional Side Panels

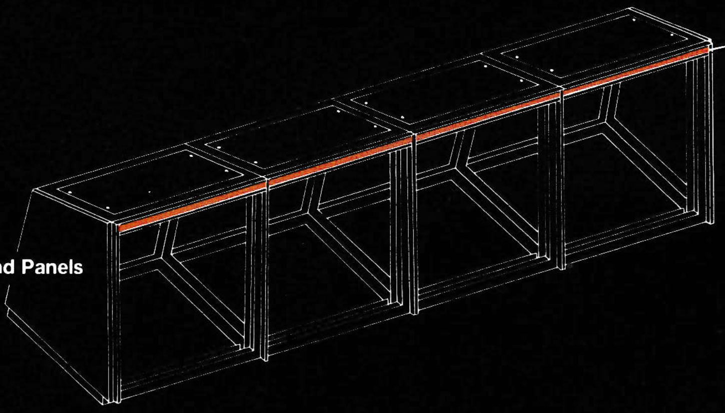
Optional PD Series Phono Drawer

Optional SD Series Storage Drawer

2000 SERIES VERTICAL RACK MODULAR INSTALLATION

NOTE: Racks Can Be Bolted Together In Any Quantities.

FOR MORE INFORMATION ON "HOW TO ORDER" REQUEST SL1236.



Choice of 4 Decorative Insert Panels

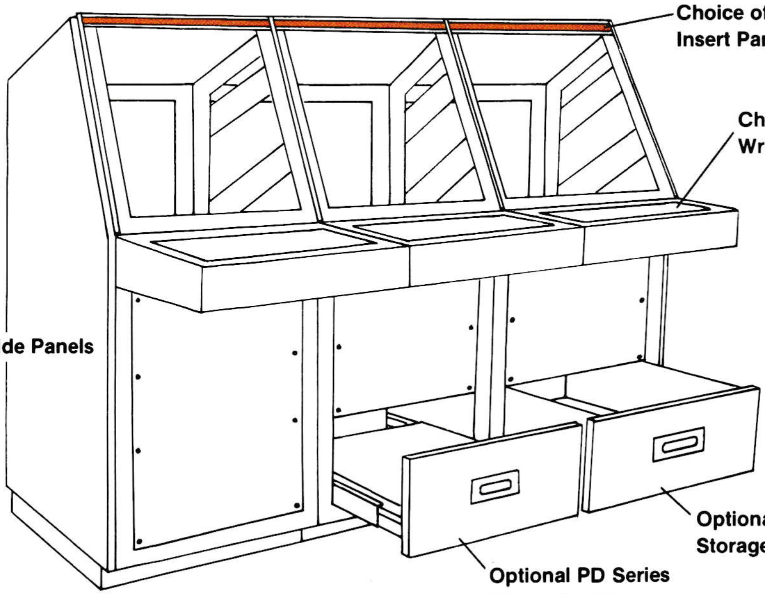
Optional End Panels

TYPICAL TURRET MODULAR INSTALLATION

NOTE: Turrets Can Be Bolted Together In Any Quantities.

The Same Sketch May Be Used For Both The 700-14 & 700-19 Turrets As The Configuration is Very Similar.

FOR MORE INFORMATION ON "HOW TO ORDER" REQUEST SL1236.



Choice of 4 Decorative Insert Panels

Choice of 2 Laminated Writing Surfaces

Optional Side Panels

Optional SD Series Storage Drawers

Optional PD Series Phono Drawers

1044 SLOPE FRONT CONSOLE MODULAR INSTALLATION

NOTE: Consoles Can Be Bolted Together In Any Quantities

FOR MORE INFORMATION ON "HOW TO ORDER" REQUEST SL1236.

soundolier, inc.
9380 WATSON INDUSTRIAL PARK / ST. LOUIS, MISSOURI 63126
(314) 962-9870 TWX 910 - 761-1650

Printed in U.S.A.

soundolier

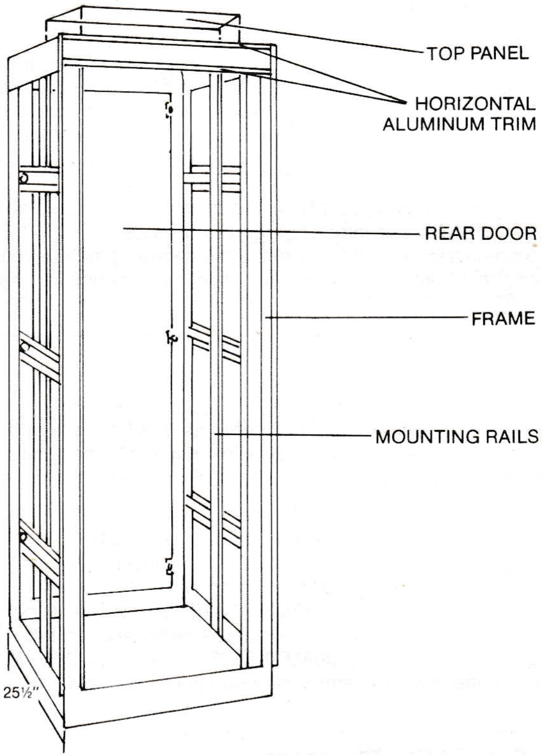
MODULAR EQUIPMENT CABINETS - *Ordering Information*

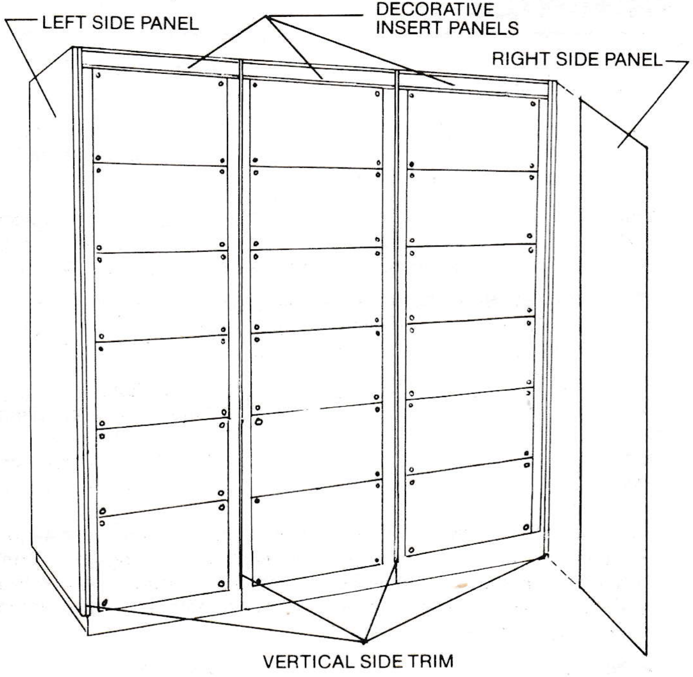
This handy brochure is designed to assist you in ordering Soundolier's new modular equipment cabinets. Listed on the following pages are model numbers for the vertical racks, slope front consoles, turrets, phono and storage drawers, and flush rack panels. You will also find examples of ordering procedures for you to follow.

If you need additional information on our new cabinet line please write us or give us a call. We will supply you with the information you need.

This series of equipment cabinets is offered in two standard colors which are Soundolier Royal Blue(#35) and Soundolier Satin Beige (#31). Other colors are also available but will require additional lead time. Please specify color when ordering.

2000 SERIES VERTICAL RACK





BASIC RACK CONSISTS OF:

- **Frame**
- **Horizontal Aluminum Trim**
- **Top Panel**
- **Mounting Rails**
- **Rear Door**

Model No.	Vertical Panel Space
2036	36⅞" (937mm)
2042	42⅛" (1070mm)
2061	61⅜" (1559mm)
2070	70⅛" (1781mm)
2077	77⅛" (1959mm)

Be sure to specify color when ordering basic racks. (i.e.: 2036-35)

DECORATIVE INSERT PANELS (Required, specify color). These must be specified since the basic rack requires that a decorative insert panel be used. If not specified, black insert will be sent.

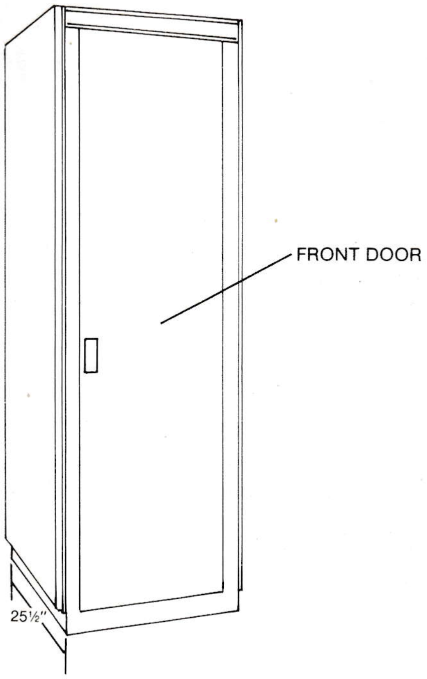
Model No.	Description
BK2	Black insert panel for 2000 Series
OR2	Brick Orange insert panel for 2000 Series
TK2	Teakwood insert panel for 2000 Series
RB2	Royal Blue insert panel for 2000 Series

VERTICAL ALUMINUM SIDE TRIM (Required, specify quantity). These must be specified since the basic rack requires vertical side trim be used. Trim is extruded aluminum. Trim must be ordered in single units. Two units are required for each cabinet. Only one vertical side trim is required between adjoining cabinets.

Model No.	Description
2036ST	Vertical trim for 2036 cabinet.
2042ST	Vertical trim for 2042 cabinet.
2061ST	Vertical trim for 2061 cabinet.
2070ST	Vertical trim for 2070 cabinet.
2077ST	Vertical trim for 2077 cabinet.

SIDE PANELS (Optional). Left and right is defined as you face front of cabinet. When ordering panels be sure to indicate color. (i.e.: 2036LRP-31, 2070LRP-35, ... etc.).

Model No.	Description
2036LP	Left panel for 2036 cabinet
2036RP	Right panel for 2036 cabinet
2036LRP	One pair of left & right panels for 2036 cabinet
2042LP	Left panel for 2042 cabinet
2042RP	Right panel for 2042 cabinet
2042LRP	One pair of left & right panels for 2042 cabinet
2061LP	Left panel for 2061 cabinet
2061RP	Right panel for 2061 cabinet
2061LRP	One pair left & right panels for 2061 cabinet
2070LP	Left panel for 2070 cabinet
2070RP	Right panel for 2070 cabinet
2070LRP	One pair left & right panels for 2070 cabinet
2077LP	Left panel for 2077 cabinet
2077RP	Right panel for 2077 cabinet
2077LRP	One pair left & right panels for 2077 cabinet



FRONT DOORS (Optional). When ordering doors be sure to specify color (i.e.: 2070FD-31)

Model No.	Description
2036FD	Front door for 2036 cabinet
2042FD	Front door for 2042 cabinet
2061FD	Front door for 2061 cabinet
2070FD	Front door for 2070 cabinet
2077FD	Front door for 2077 cabinet

REAR DOORS (Furnished with basic rack, for replacement only). When ordering replacement doors be sure to specify color. (i.e.: 2061RD-35)

Model No.	Description
2036RD	Rear door for 2036 cabinet
2042RD	Rear door for 2042 cabinet
2061RD	Rear door for 2061 cabinet
2070RD	Rear door for 2070 cabinet
2077RD	Rear door for 2077 cabinet

MOUNTING RAILS (One pair furnished with basic rack, for additional rails or replacement only).

Model No.	Description
2036MR	One pair of mounting rails for 2036 cabinet
2042MR	One pair of mounting rails for 2042 cabinet
2061MR	One pair of mounting rails for 2061 cabinet
2070MR	One pair of mounting rails for 2070 cabinet
2077MR	One pair of mounting rails for 2077 cabinet

CASTERS (Optional). Model No. **CS-8PR.** Includes two swivel casters. Each individual cabinet requires four casters (i.e.: "2" CS-8PR). When cabinets are grouped in pairs, each cabinet juncture requires 2 casters (i.e.: "1" CS-8PR). The 2000 Series is pre-punched for casters.

HOW TO ORDER:

Example: Basic Rack — One 2036 cabinet painted in royal blue with brick orange decorative insert panel. You would order as follows:

Quantity	Model No. 35
1	**2036-35** (Color code 35)
1	**OR2** (Brick orange insert)
2*	**2036ST** (Vertical side trim)

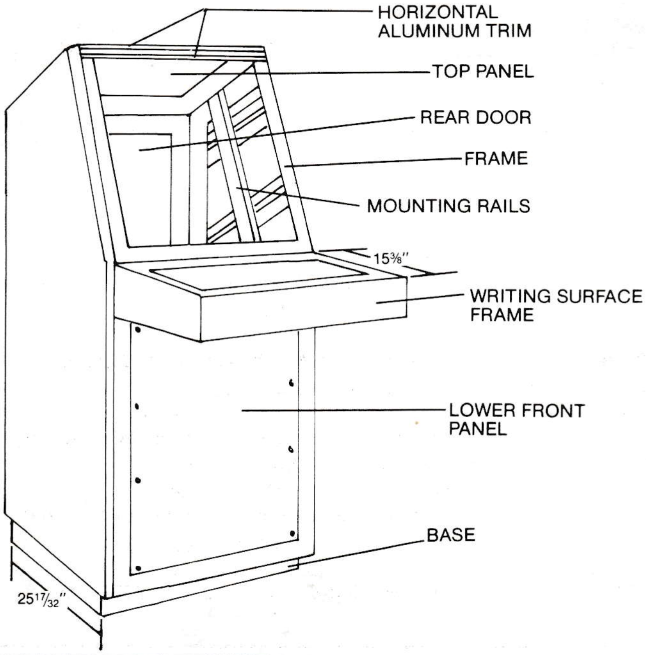
*Two pieces of vertical side trim must be ordered for each individual cabinet.

Example : Three model 2042 cabinets in a bay configuration painted in satin beige, royal blue decorative insert panels, side panels are required on each end, and front door on each unit. You would order as follows:

Quantity	Model No.
3	**2042-31** (Color code 31)
3	**RB2** (Royal blue insert)
4*	**2042ST** (Vertical side trim)
1	**2042LRP-31** (One pair left & right panels for 2042 cabinets with color code 31)
3	**2042FD-31** (Front door for 2042 with color code 31)

*Only one piece of vertical side trim is required between adjoining units.

1044 HEAVY DUTY SLOPE FRONT CONSOLE



BASIC UNIT CONSISTS OF:

- **Frame**
- **Mounting Rails**
- **Rear Door**
- **Top Panel**
- **Lower Front Panel**
- **Base**
- **Writing Surface Frame**
- **Horizontal Aluminum Trim**

Model No.	Description
1044	Basic Console

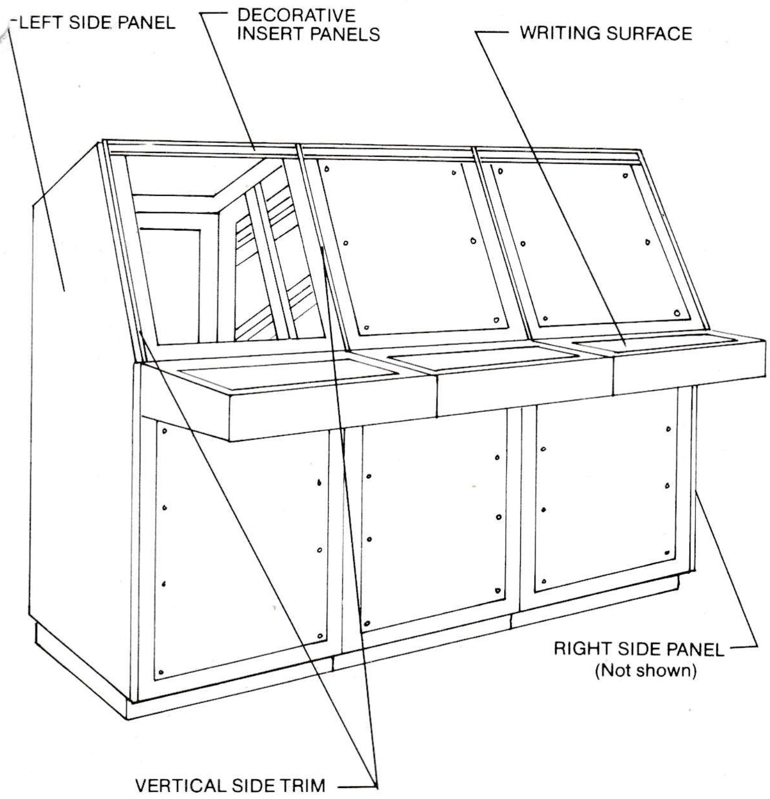
Be sure to specify color when ordering basic console (i.e.: 1044-31)

DECORATIVE INSERT PANELS (Required, specify color). These must be specifed since the basic console requires a decorative insert panel be used. If not specified, black insert will be sent.

Model No.	Description
TK1	Teakwood insert panel
BK1	Black insert panel
RB1	Royal Blue insert panel
OR1	Brick Orange insert panel

VERTICAL SIDE TRIM (Required, specify quantity). These must be specified since the basic console rquires vertical side trim be used. Trim is extruded aluminum. Trim must be ordered in single units. Two units are required for each console. Only one piece of vertical side trim is required between adjoining consoles

Model No.	Description
1044ST	Side trim for 1044 console



WRITING SURFACE (Required, Specify Color). The writing surface is required. The 1044 basic console includes the writing frame which supports the writing surface (laminated insert board). If not specified a white (WHS) surface will be sent.

Model No.	Description
WHS	White writing surface for 1044 frame
TKS	Teakwood writing surface for 1044 frame

SIDE PANELS (Optional). Left and right is defined as you face front of console. When ordering side panels, be sure to specify color. (i.e.: 1044LP-35)

Model No.	Description
1044RP	Right panel for 1044 console
1044LP	Left panel for 1044 console
1044LRP	One pair of left & right panels for 1044 console

TOP & LOWER FRONT PANELS (Furnished with basic console, for replacement only). When ordering panels be sure to specify color (i.e.: S219-15-35)

Model No.	Description
S219-15	Top panel for 1044 console
S219-24	Lower front panel for 1044 console

UPPER & LOWER MOUNTING RAILS (Furnished with basic console, for additional rails or replacement only).

Model No.	Description
1044LMR	One pair of lower mounting rails for 1044 console
1044UMR	One pair of upper mounting rails for 1044 console

REAR DOOR (Furnished with basic console, for replacement only) Specify Color (i.e.: 1044RD-31)

Model No.	Description
1044RD	Rear door for 1044 console

CASTERS (Optional)

Model No.	Description
CS-8PR	Casters for 1044 console

HOW TO ORDER:

Example: Basic 1044 console — A 1044 console painted satin beige with orange insert and teakwood writing surface.

You would order as follows:

Quantity	Model No.
1	**1044-31** (Color code 31)
1	**OR1** (Brick Orange insert)
2*	**1044ST** (Vertical side trim)
1	**TKS** (Teakwood writing surface)

*Two pieces of vertical side trim must be ordered for each console purchased separately.

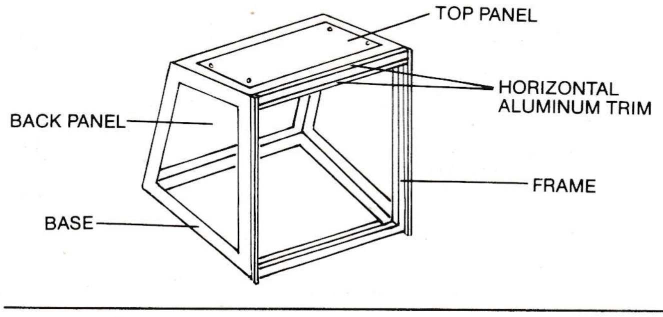
Example: Four 1044 consoles in a bay configuration painted royal blue, with black insert panel, white writing surface, side panels, and casters.

You would order as follows:

Quantity	Model No.
4	**1044-35** (Color code 35)
4	**BK1** (Black inserts)
4	**WHS** (White writing surfaces)
1	**1044LRP-35** (One pair of left and right side panels with color code 35)
5*	**1044ST** (Vertical side trim)
5	CS-8PR (Only two swivel casters at each juncture)

*Only one piece of vertical side trim is needed in adjoining consoles.

SLOPE FRONT TURRETS

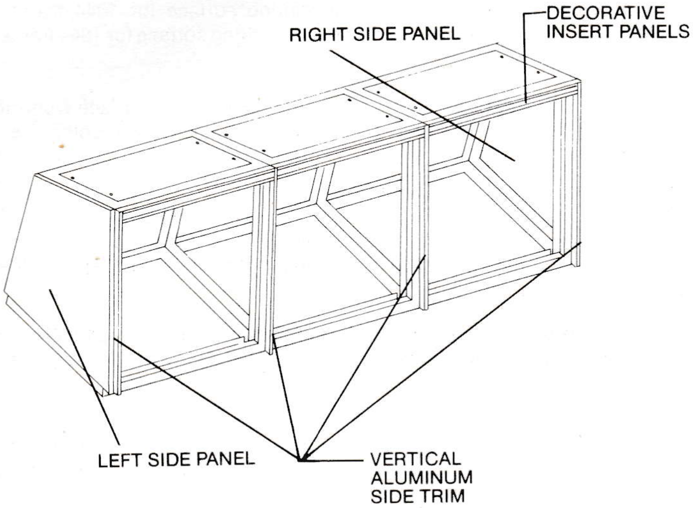


BASIC UNIT CONSISTS OF:

- **Frame**
- **Base**
- **Back Panel**
- **Horizontal Aluminum Trim**
- **Top Panel**

Model No.	Overall Depth	Vertical Panel Space
700-14	18 1/64"	14⅛"(359mm)
700-19	19 63/64"	19⅜"(492mm)

When ordering the basic turret be sure to specify color (i.e.: 700-14-35)



DECORATIVE INSERT PANELS (Required, specify color). These must be specified since the basic turret requires a decorative insert panel be used. If not specified, black insert will be sent.

Model No.	Description
TK1	Teakwood insert panel for 700 series
BK1	Black insert panel for 700 series
RB1	Royal Blue insert panel for 700 series
OR1	Brick Orange insert panel for 700 series

VERTICAL ALUMINUM SIDE TRIM (Required, specify quantity). These must be specified since the basic turret requires vertical side trim be used. Trim is extruded aluminum. Trim must be ordered in single units. Two units are required for each turret. Only one vertical trim is required between adjoining turrets.

Model No.	Description
700-14ST	Side Trim for 700-14 Turret
700-19ST	Side Trim for 700-19 Turret

SIDE PANELS (Optional). Left and right is defined as you face front of turret. When ordering panels be sure to specify color. (i.e.: 700-19LRP-35).

Model No.	Description
700-14LP	Left panel for 700-14
700-14RP	Right panel for 700-15
700-14LRP	One pair of left & right panels for 700-14
700-19LP	Left panel for 700-19
700-19RP	Right panel for 700-19
700-19LRP	One pair of left & right panels for 700-19

TOP & BACK PANELS (Furnished with basic unit, for replacement only). When ordering panels be sure to specify color. (i.e.: S219-14-31)

Model No.	Description
S219-8	Back panel for 700-14
S219-10	Top panel for 700-14
S219-14	Back panel for 700-19
S219-10	Top panel for 700-19

HOW TO ORDER

Example: Basic 700-14 turret. One 700-14 turret painted royal blue with black insert panel.

You would order as follows:

Quantity	Model No.
1	**700-14-35** (Color code 35)
1	**BK1** (Black insert)
2*	**700-14ST** (Vertical side trim)

*Two pieces of vertical side trim must be ordered for each turret purchased separately.

Example: Three separate 700-19 turrets painted satin beige with orange inserts and side panels on each unit.

You would order as follows:

Quantity	Model No.
3	**700-19-31** (Color Code 31)
3	**OR1** (Orange Inserts)
6	**700-19ST** (Vertical side trim)
3	**700-19LRP-31** (Three pairs of left and right side panels with color code)

PHONO & STORAGE DRAWERS

When ordering drawers be sure to specify color. (ie: PD10-145FP-35)

Model No.	Vertical Panel Space
PHONO DRAWERS	
PD10-165FP	10½"(267mm)
PD10-145FP	10½"(267mm)
STORAGE DRAWERS	
SD7-145FP	7" (179mm)
SD7-165FP	7" (179mm)
SD10-145FP	10½"(267mm)
SD10-165FP	10½"(267mm)

FLUSH RACK PANELS

When ordering panels be sure to specify color. (i.e.: S219-21-35)

Blank Panels	Vent Panels	Vertical Panel Space
S219-1	**SVP219-1**	1¾"(44mm)
S219-3	**SVP219-3**	3½"(89mm)
S219-5	**SVP219-5**	5¼"(133mm)
S219-7	**SVP219-7**	7" (178mm)
S219-8	**SVP219-8**	8¾"(222mm)
S219-10	**SVP219-10**	10½"(267mm)
S219-12	**SVP219-12**	12¼"(311mm)
S219-14		14"(356mm)
S219-15		15¾"(400mm)
S219-17		17½"(445mm)
S219-19		19¼"(489mm)
S219-21		21" (533mm)

PAINT COLORS

STANDARD COLORS

Soundolier Light Satin Beige	31	**Soundolier Royal Blue**	35

AVAILABLE COLORS (Require additional lead time)

Soundolier Gray Metallic	30	**McMartin Blue**	75
Soundolier Dark Textured Bronze	32	**Rauland Beige**	80
DuKane Light Gray	50	**DuKane Dark Gray**	51
Bogen Gray	41	**Strom-Com Executive Gray**	66
Bogen Beige	43	**McMartin Beige**	76
Bogen Sand	44	**J.B.L. Dark Gray**	85
Altec-Lansing Green	70	**Muzak Blue**	95
Strom-Com Sahara Beige	65	**Black Semi-Gloss**	05

soundolier, inc.

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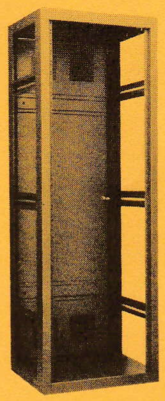
DISTRIBUTOR NET
PRICE SHEET
AUGUST 15, 1975

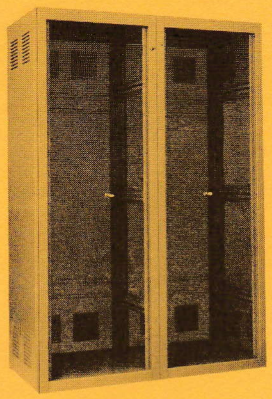
INTRODUCING MULTI RACK

THE LATEST ADDITION TO THE SOUNDOLIER QUALITY LINE OF CABINETS

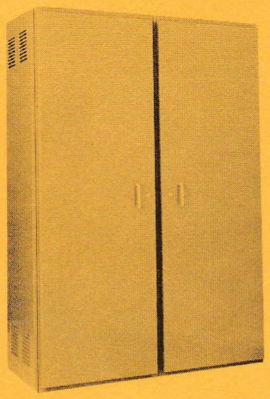
In addition to the quality engineering you expect from a Soundolier design, the 500 Series Multi Rack gives you much more with these outstanding features.



- ½″ - ¾″ IPS knockouts on top, bottom and rear flanges.
- All welded 16 ga. CRS construction.
- Adjustable tapped mounting rails 11 gauge CRS.
- Hinged rear door with lock and door pull.



- 540 series side panel.
- All louvres are internal style.



- Front doors can be installed for right or left hand hinging.

Prices shown are
Distributor Net
No further
discounts apply
Freight Policy C
F.O.B. St. Louis, Mo.

MODEL NO.	DESCRIPTION (In inches of Panel Space)	LIST	DEALER NET	DISTRIBUTOR NET
500-61	61¼″ Basic Rack	$249.00	$149.40	$ 99.60
500-70	70″ Basic Rack	267.75	160.65	107.10
500-77	77″ Basic Rack	277.28	166.37	110.91
510-61	61¼″ Front Door	74.33	44.60	29.73
510-70	70″ Front Door	84.50	50.70	33.80
510-77	77″ Front Door	89.83	53.90	35.93
530-61	61¼″ Mounting Rails	25.55	15.33	10.22
530-70	70″ Mounting Rails	28.20	16.92	11.28
530-77	77″ Mounting Rails	30.43	18.26	12.17
540-61	61¼″ Side Panels (Pr.)	101.55	60.93	40.62
540-70	70″ Side Panels (Pr.)	112.23	67.34	44.89
540-77	77″ Side Panels (Pr.)	120.85	72.51	48.34

COLOR SELECTION

Standard Paint Colors	Paint Number
Soundolier Gray Hammertone	SH768
Soundolier Light Satin Beige	SLB868
Soundolier Dark Textured Bronze	SDB968
DuKane Light Gray	D1068
Bogen Gray	B1168
Bogen Beige	B1268
Webster Beige	W1368
Altec-Lansing Green	AL1468
Strom-Com Sahara Beige	SC1568
Webster Brown	W1668
McMartin Blue	M1768
Rauland Beige	R1868
DuKane Dark Gray	D2469
Strom-Com Executive Gray	SC2670
J.B.L. Dark Gray	JBL2871
McMartin Beige	M1174
J.B.L. Light Gray	JBL175

The colors listed here are available as standard for all Soundolier cabinets. When ordering, please indicate your color selection. Orders that do not contain a color specification will be processed as SH768, Grey Hammertone.

Custom colors are available at an additional charge. Please consult our reprsentative or customer service department.

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MULTI RACKS

STANDARD 19″ RACK PANELS

ELECTRONIC EQUIPMENT CABINETS

SERIES 500
SERIES 510
SERIES 530
SERIES 540

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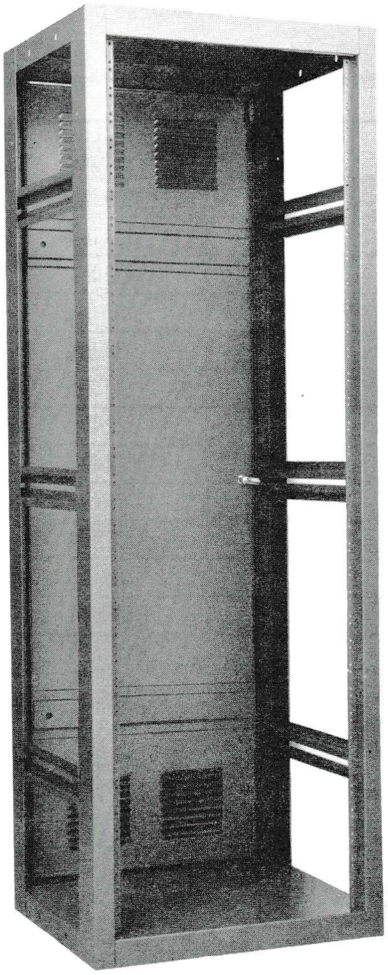


SERIES 500 MULTI RACKS

Soundolier Multi Racks are designed for standard 19″ rack panels and for maximum flexibility. Multi Racks can be readily joined together and because of its open side construction, electrical wiring is simple and convenient. Multi Racks are supplied with a rear door, hung on slip-jointed hinges, with a top pin hinge extra long to reduce alignment problems when assembling. A cylinder lock and low profile handle are supplied with each rear door. Panel mounting rails are adjustable, manufactured of 11 gauge C.R.S. and are tapped for 10-32 screws. Multi Racks are constructed of heavy 16 gauge C.R.S. Internal louvers are supplied on rear doors. Six ½-¾″ combination knockouts (3 on top and 3 on back flange) are provided at the top of the rack, and six combination knockouts at the bottom (3 on bottom and 3 on back flange). To facilitate cable entry, three 2-13/16″ diameter holes are located toward the rear of base of the rack.

Soundolier Multi Racks are shipped welded and assembled. Rack panel mounting is achieved with 10-32 x ⅝″ pan head screws provided with the rack. All metal surfaces receive an iron phosphate coating prior to finishing for rust prevention and maximum paint adhesion. Standard finish is baked grey hammertone with additional standard and non-standard colors available. Consult your Soundolier master price list for current standard Soundolier colors and for policy regarding non-standard colors.

OPTIONAL ACCESSORIES

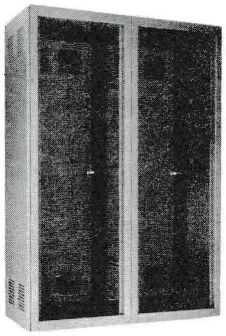
SERIES 510 FRONT DOOR. Front doors can be easily installed in the field with right or left hand hinging optional. The basic 500 Series Multi Rack is supplied with a series of knockouts on each side of the front return. When installing the front door, these knockouts are simply removed, and a 10-32 self-tapping screw inserted therein. Front doors are supplied with heavy duty continuous piano hinge, cylinder lock and low profile handle.

SERIES 530 MOUNTING RAILS. While Soundolier 500 Series Multi Racks are supplied with one set of 11 gauge C.R.S. mounting rails, additional sets of rails are available at customer's option.

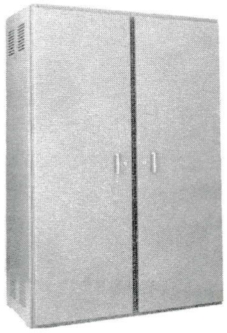
SERIES 540 SIDE PANELS. One pair of 540 Series Side Panels is required, whether rack is installed singly or in a row. Side panels are simply installed by hooking them over internal side channels in 500 Series Racks. Multi Rack side panels are supplied with Soundolier's exclusive internal louvering for maximum ventilation and clean appearance.

FEATURES

- 16 gauge C.R.S. throughout, except tapped mounting rails which are 11 gauge C.R.S.
- Mounting Rails are tapped for 10-32 screws.
- 1¼″ - ½″ Panel mount spacing standard.
- ⅞″ offset for panel mount.
- 10-32 x ⅝″ Pan Head screws for assembly of panels.
- ¼″ - 20 x ½″ Pan Head screws and hexnuts for joining of racks.
- Slip jointed hinges on rear door and continuous piano hinge on optional front door.
- Optional Front Door can be installed for right or left hand hinging.
- Low profile handle and cylinder lock (Front and Rear Door keyed differently).
- ½″ - ¾″ IPS Knockouts on top, bottom and rear flanges.
- 2-13/16″ Diameter holes in base for wiring ease.
- Internal Louvers on all sides and rear door.
- Engineered scuff resistant packing.
- All models shipped welded and assembled.
- Standard 19″ Rack Panels.
- Standard Finish is baked grey hammertone over iron phosphate coated metal. Other standard colors available at no extra cost.



Two Basic Series 500 Multi Racks shown with optional Series 540 Side Panels installed.



Two Basic Series 500 Multi Racks shown with optional Series 540 Side Panels and Series 510 Front Doors installed.

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ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The equipment rack shall be a Soundolier Multi Rack Model ________ or approved equal. It shall be constructed of 16 gauge C.R.S. and shall have 11 gauge C.R.S. adjustable tapped mounting rails. Mounting rails shall be tapped for 10-32 screws. It shall have ½″-¾″ conduit knockouts on the top, bottom and rear flanges. It shall have a rear door supported on slip jointed hinges and shall be equipped with a low profile handle and cylinder lock. Rear door shall be supplied with internal louvers. Cabinet shall be installed singly or in a row of ________ (specify number of cabinets to be installed in row) and sides of rack/row shall be closed with Soundolier Multi Rack Series 540 Side Panels. Side panels shall be supplied with internal louvering which shall give a flush exterior appearance.

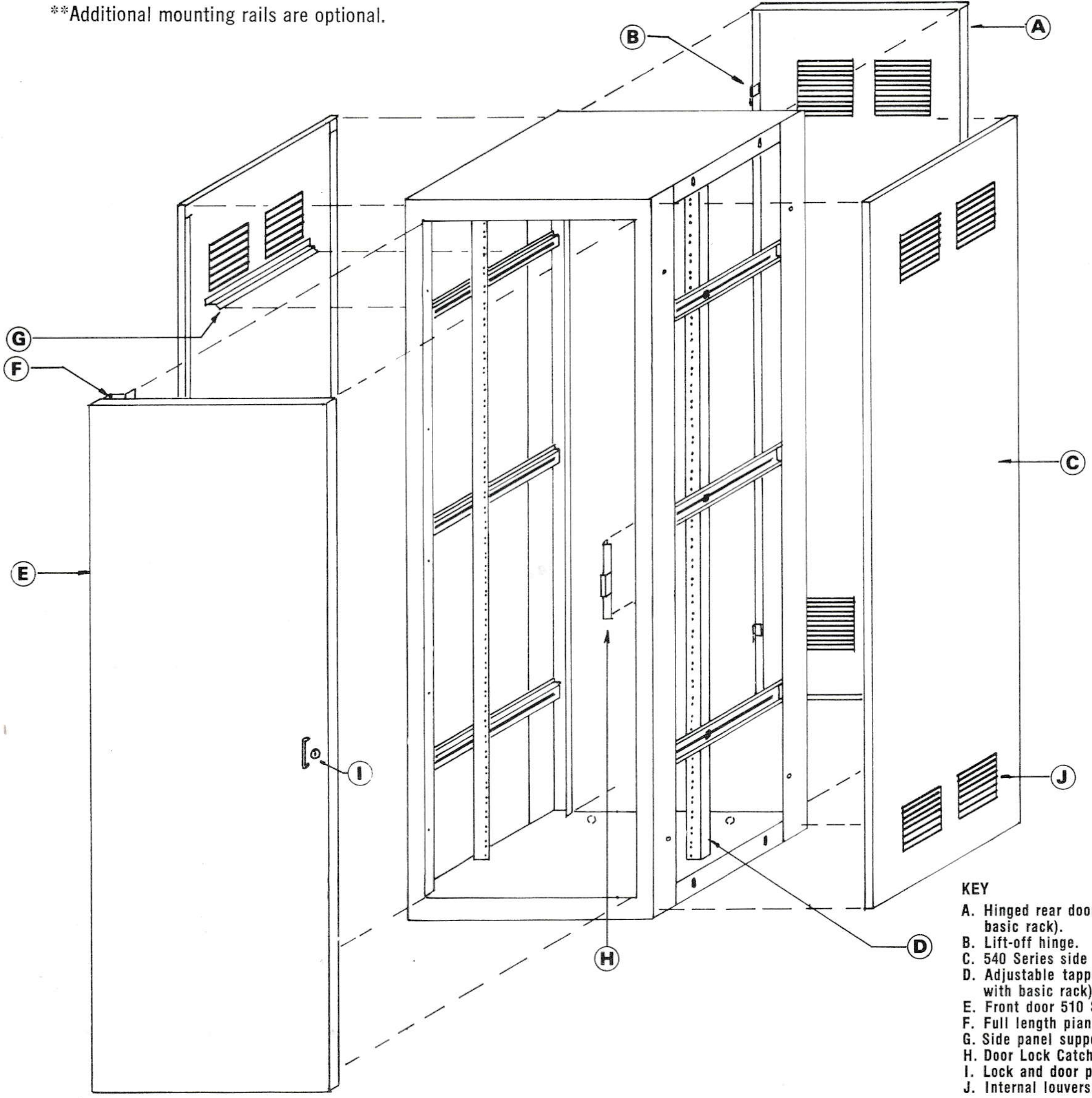
Optional:

The Equipment Rack shall have a Soundolier Model ______ front door or approved equal mounted on a continuous hinge. Door hinging shall be right/left (specify which). The door shall have a cylinder lock the same in style but keyed differently from the rear door and shall have the same low profile handle. The door shall be 1″ deep to clear all control knobs.

DIMENSIONS

Model No.	Description	Panel Space	Width	Height	Depth	Shipping Weight
500-61	Basic Rack*	61¼″	22⅜″	65½″	18½″	109 lbs.
500-70	Basic Rack*	70″	22⅜″	74¼″	18½″	119 lbs.
500-77	Basic Rack*	77″	22⅜″	81¼″	18½″	129 lbs.
510-61	Front Door	61¼″	21⅜″	63⁵⁄₁₆″	1″	31 lbs.
510-70	Front Door	70″	21⅜″	72¹⁄₁₆″	1″	34 lbs.
510-77	Front Door	77″	21⅜″	79¹⁄₁₆″	1″	37 lbs.
530-61	Mtg. Rails**	61¼″	--	--	--	12 lbs.
530-70	Mtg. Rails**	70″	--	--	--	14 lbs.
530-77	Mtg. Rails**	77″	--	--	--	16 lbs.
540-61	Side Panels	61¼″	18⅛″	65¼″	⅝″	52 lbs.
540-70	Side Panels	70″	18⅛″	74″	⅝″	60 lbs.
540-77	Side Panels	77″	18⅛″	81″	⅝″	66 lbs.

*Basic Rack includes rear door and 1 pair tapped adjustable mounting rails.
**Additional mounting rails are optional.



KEY
- A. Hinged rear door with lock and door pull. (Included with basic rack).
- B. Lift-off hinge.
- C. 540 Series side panels (optional).
- D. Adjustable tapped mounting rails. 11 ga. C.R.S. (1 pr. included with basic rack).
- E. Front door 510 Series (optional). Can be hinged right or left.
- F. Full length piano hinge.
- G. Side panel support rail.
- H. Door Lock Catch (furnished with 510 Series door).
- I. Lock and door pull.
- J. Internal louvers. No exterior projections.

COMMUNICATIONS CONTROL CENTER

ELECTRONIC ACCESSORIES MPC-100 MPC-106 MPC-112 MPC-206 MPC-212

SECTION **Q**

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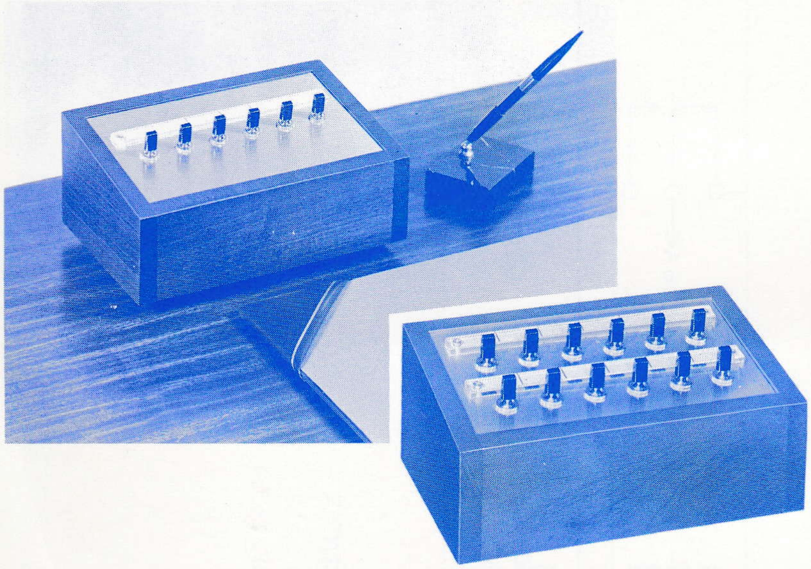


SPECIFICATIONS

CABINET

Material: 5/8" Solid Hardwood
Joints: Interlocked and electronically glued
Feet: Rubber
Finishes: Simulated hand rubbed walnut (-W)
Simulated hand rubbed fruitwood (-F)

SWITCH PANEL

Material: .050 Aluminum
Finish: Satin Clear
Switch identification: Clear Plexiglass (MPC-100 excluded)

SWITCHES (excludes MPC-100)

Knobs: Molded plastic, paddle
Type: DPDT, 2 position, locking
Contact Rating: 3 amps
Contact Material: Fine Silver

TERMINAL PANEL (Series MPC-200 only)

Terminals: 16 point, screw type (MPC-206)
28 point, screw type (MPC-212)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The communication control center shall be a Soundolier Model MPC-106 (MPC-112, MPC-206, MPC-212, MPC-100) or approved equal. The cabinet shall be of 5/8" solid hardwood and shall be glued and interlocked at all joints. The finish shall be simulated hand rubbed walnut (fruitwood). The switch panel shall be of .050 aluminum with a satin finish. Identification labels shall be of clear plexiglass. Switches shall have black paddle handles and shall be of the DPDT two position locking type. Contacts shall be of fine silver and have a 3 amp rating. (Omit if MPC-100 is selected.)

Series MPC

The Series MPC is a communication control center featuring six or twelve switches on a blank panel attractively mounted in an unusually handsome wood cabinet. The cabinet is constructed of 5/8" solid hardwood with a simulated hand rubbed finish. The joints are interlocked and fastened with electronically cured glue. The top is sloped to ease switch operation and identification. Four rubber feet are mounted for desk top protection. The Series MPC may be ordered in a walnut finish or fruitwood finish. Suffix the model number with -W when specifying walnut and -F when specifying fruitwood.

The switch mounting panel is .050 aluminum with a beautiful satin finish. Hidden mounting studs reduce the number of exposed screw heads. Attractive name strips are provided with a clear plexiglass finish. Heavy high grade ledger stock paper is furnished and can be prepared with a typewriter or printed.

Models MPC-106 and MPC-112

The Model MPC-106 has six two position locking type DPDT switches mounted at the factory. Beautiful black plastic paddle handles are molded to the lever thus eliminating loose or lost knobs. The contacts are fine silver and are rated at 3 amps. Switches are unwired. Model MPC-112 has the same specifications and dimensions as Model MPC-106 except with twelve switches.

Models MPC-206 and MPC-212

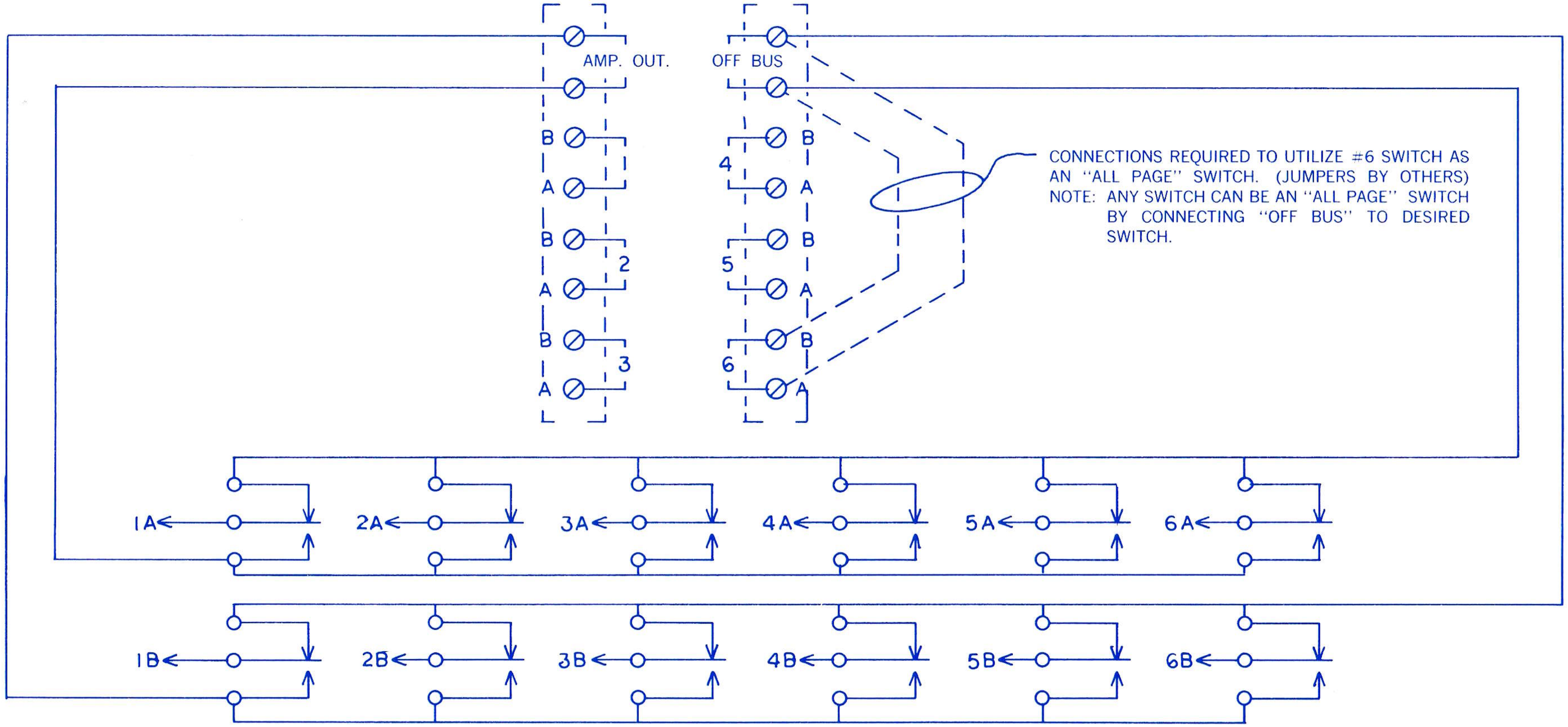
Models MPC-206 and MPC-212 are factory wired units. Model MPC-206 has six prewired switches and Model MPC-212 has twelve prewired switches. A special terminal panel is provided with silk screening for easy identification. (See wiring diagram.) A separate back panel avoids an exposed terminal strip. Any switch of either model can be easily made into an "all call" switch. Instructions are clearly labeled on the terminal strip panel.

Models MPC-206 and MPC-212. These models can be used with Soundolier Models PSR-206 or PSR-212 Zone Paging Powered "Relay Paks" for a complete zone paging system.

Special finishes on the cabinet are also possible. Write to Soundolier, Inc. for details.

Model MPC-100 is identical to the other MPC models except the mounting panel is blank (switches are not included). Special punchings and/or lettering can be quoted on request.

SEE DIAGRAM ON REVERSE SIDE



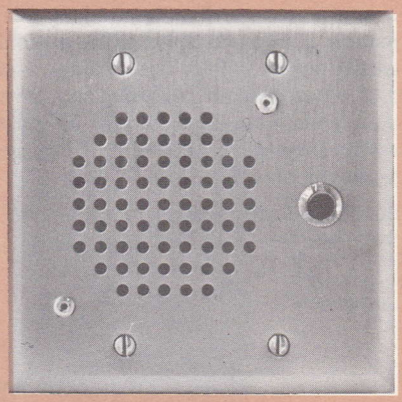
AMP. OUT.
OFF BUS
B
A
B
A
B
A
2
3
4
5
6
1A
2A
3A
4A
5A
6A
1B
2B
3B
4B
5B
6B

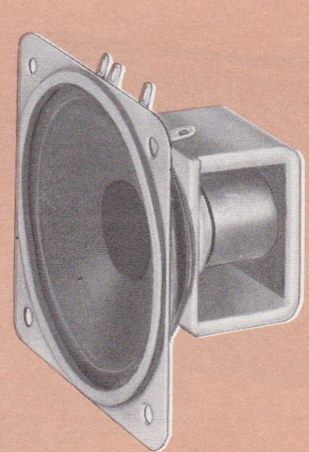
CONNECTIONS REQUIRED TO UTILIZE #6 SWITCH AS AN "ALL PAGE" SWITCH. (JUMPERS BY OTHERS)
NOTE: ANY SWITCH CAN BE AN "ALL PAGE" SWITCH BY CONNECTING "OFF BUS" TO DESIRED SWITCH.

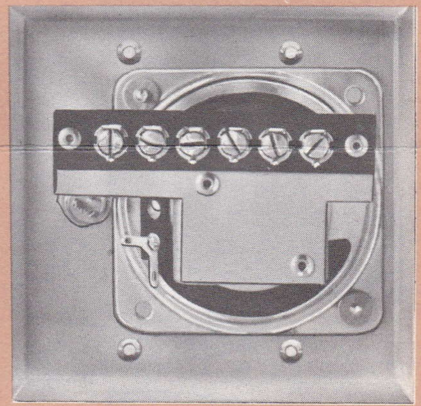
COMMUNICATIONS CONTROL CENTER
MPC-206

MPC-212 DIAGRAM SAME AS MPC-206 EXCEPT HAS ADDITIONAL SWITCHES.

INTERCOM STATION ASSEMBLIES







soundolier

INTRODUCTION

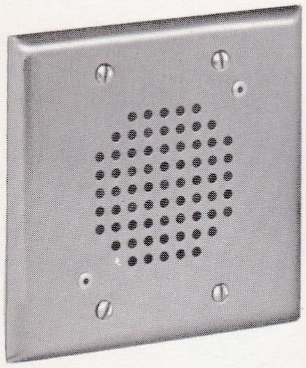
Soundolier now offers prepackaged intercom assemblies which represent economy, convenience and variety — all from a single source. Represented in this brochure are over 16 models of two and three gang assemblies ready for individual wiring needs. A high quality three inch speaker with a heavy 1.47 ounce magnet is riveted to a beautiful brushed stainless steel plate. Also available are one or two push button switches which have the capability of being wired in a normally open or closed position.

Soundolier intercom assemblies can be surface mounted by utilizing our 4000 series. With each assembly, a surface enclosure is furnished which can be mounted directly to the wall or to a standard outlet box. In addition, through our series 300 enclosures, surface mounted boxes are available in 2 and 3 gang sizes for other applications.

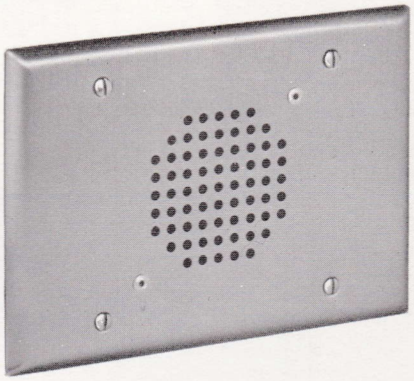
Standard models include "CALL" and/or "TALK" stamped and paint filled on the plate. Special lettering may be specified by writing Soundolier regarding the availability and a quotation. Assemblies completely wired are also available on special order. Contact us for details.

RECESS MOUNTING — Series 3000

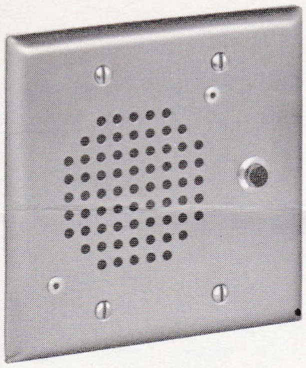
Series 3000 recessed intercom stations mount to conduit outlet boxes utilizing plaster rings of the required number of gangs. Masonry type boxes of the proper size can also be used. The total depth required for two and three gang models is 2¼ inches. All components listed under each model are pre-mounted at the factory. Stamp and paint filled lettering is designated by a style type. Specifications for each component are also listed on the back cover.



MODEL 3002
2 gang stainless steel plate
HX31-345 speaker

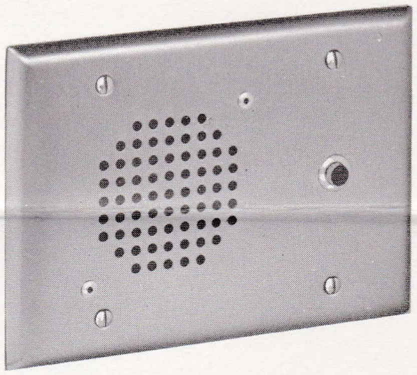


MODEL 3003
3 gang stainless steel plate
HX31-345 speaker



MODEL 3012
2 gang stainless steel plate
HX31-345 speaker
6 point terminal strip
HX11-P push button switch (1)

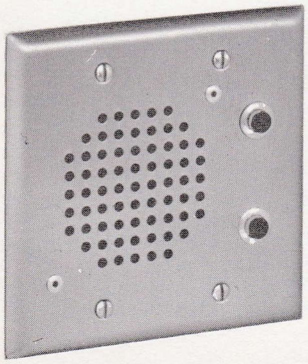
MODEL 3012-A (G)
Same with style A (G) lettering



MODEL 3013
3 gang stainless steel plate
HX31-345 speaker
6 point terminal strip
HX11-P push button switch (1)

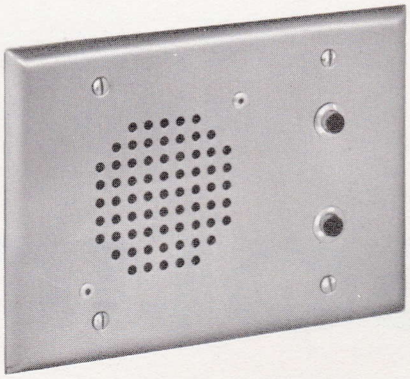
MODEL 3013-A (G)
Same with style A (G) lettering

MODEL 3013-E (Vertical)
Same with style E lettering



MODEL 3022
2 gang stainless steel plate
HX31-345 speaker
6 point terminal strip
HX11-P push button switch (2)

MODEL 3022-B
Same with style B lettering



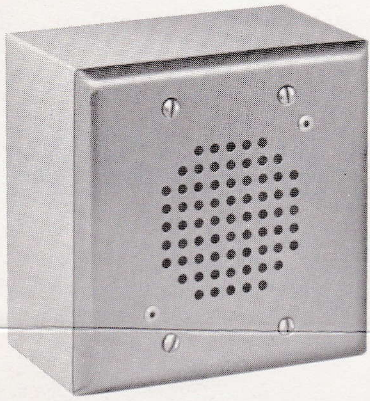
MODEL 3023
3 gang stainless steel plate
HX31-345 speaker
6 point terminal strip
HX11-P push button switch (2)

MODEL 3023-B
Same with style B lettering

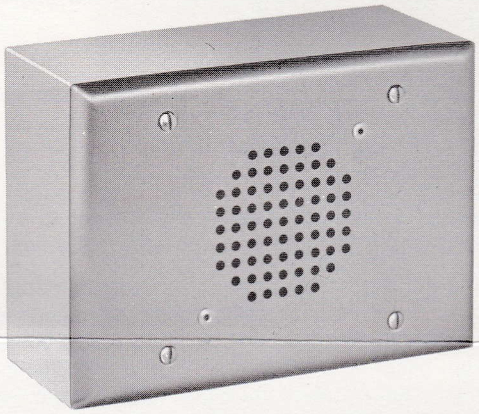
MODEL 3023-F (Vertical)
Same with style F lettering

SURFACE MOUNTING — Series 4000

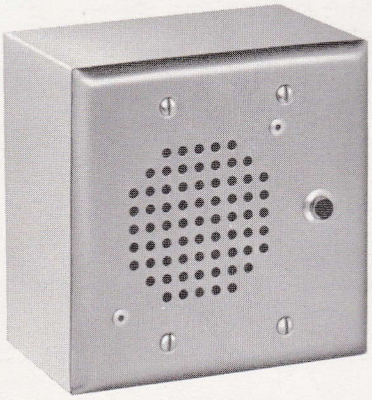
Series 4000 surface intercom stations are similar to series 3000 stations except with the addition of a surface mounting enclosure (see below). All components listed under each model are premounted at the factory. Stamp and paint filled lettering is designated by a style type. Specifications for each component is given on the back cover.



MODEL 4002
2 gang stainless steel plate
HX31-345 speaker
Model 302 enclosure

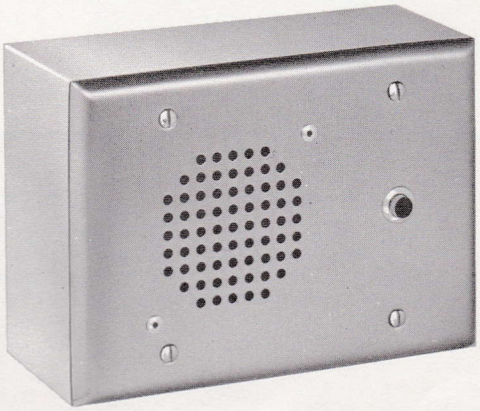


MODEL 4003
3 gang stainless steel plate
HX31-345 speaker
Model 303 enclosure



MODEL 4012
2 gang stainless steel plate
HX31-345 speaker
6 point terminal strip
HX11-P push button
switch (1)
Model 302 enclosure

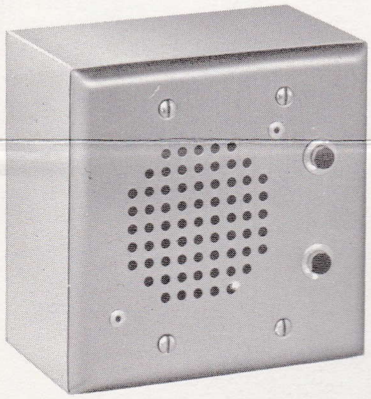
MODEL 4012-A (G)
Same with style A (G) lettering



MODEL 4013
3 gang stainless steel plate
HX31-345 speaker
6 point terminal strip
HX11-P push button
switch (1)
Model 303 enclosure

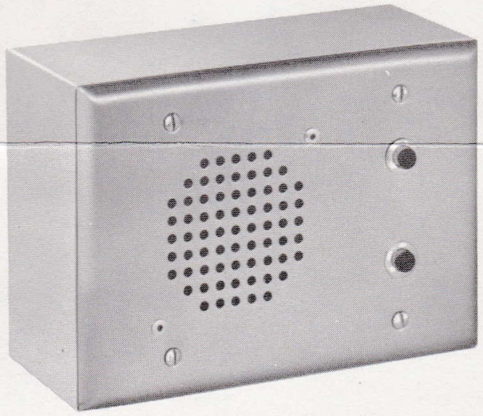
MODEL 4023-A (G)
Same with style A (G) lettering

MODEL 4013-E (Vertical)
Same with style E lettering



MODEL 4022
2 gang stainless steel plate
HX31-345 speaker
6 point terminal strip
HX11-P push button
switch (2)
Model 302 enclosure

MODEL 4022-B
Same with style B lettering



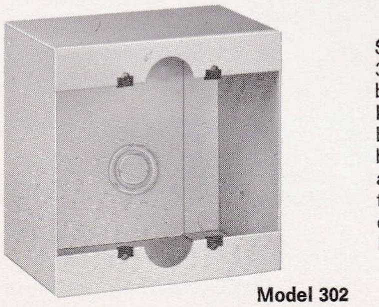
MODEL 4023
3 gang stainless steel plate
HX31-345 speaker
6 point terminal strip
HX11-P push button
switch (2)
Model 303 enclosure

MODEL 4023-B
Same with style B lettering

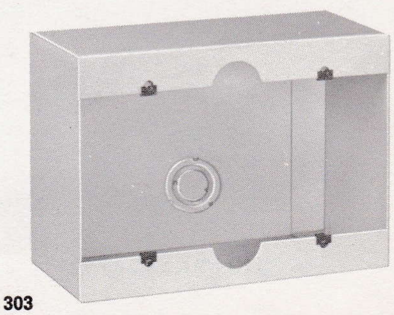
MODEL 4023-F (Vertical)
Same with Style F lettering

SERIES 300 ENCLOSURES

Series 300 enclosures are designed to surface mount series 3000 intercom stations. It is finished with a neutral sand beige baked enamel. Two knockouts are provided — a combination knockout in the back of the box and a ½″ knockout in the bottom. Two mounting holes are located so the enclosure can be mounted to a standard outlet box. This is an advantage when an existing box is too small (single gang box, handy box, etc.) to accept a Series 3000 intercom station. Series 300 enclosures can be surface mounted directly to the existing box and the intercom then installed.



Model 302



Model 303

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

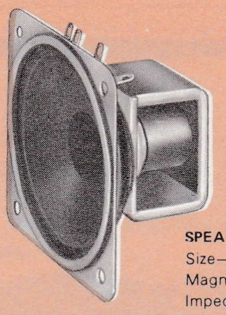
The intercom station shall be Soundolier Model____________or approved equal. The unit shall consist of a________gang stainless steel plate with a 3" speaker. The speaker magnet shall be a minimum of 1.47 ounces. The voice coil impedance shall be 45 ohms and shall have a minimum diameter of 9/16 of an inch. Total depth of the unit shall be 2-1/16 inches.

(Add the following for units with push buttons)
The unit shall also incorporate a terminal strip and________SPDT push button switche(es). The terminal strip shall have six screw terminals for easy installation. The push button switch shall be a momentary action single pole double throw type. The contact rating shall be 1/4 amp.

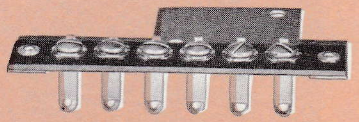
(Add for plates requiring stamped lettering)
The Model______________intercom station shall have stamped and black paint filled lettering. Lettering shall consist of____________________(call and/or talk) stamped adjacent to the push button switch(es).

(Add for units that are to be recessed)
The Model______________intercom station shall mount to a conduit outlet box that is equipped with a plaster ring or to a masonry type box.

(Add for models that include enclosure for surface mounting)
The Model______________intercom station shall be equipped with Soundolier Model___________surface mount enclosure or approved equal. Enclosure finish shall be sand beige baked enamel. It shall have a combination knockout in the back of the enclosure and a ½ inch knockout in the bottom. Two mounting holes shall be provided in the enclosure back. The mounting holes shall be located so the enclosure can be mounted to an existing single gang box. Enclosure dimensions shall be__________________(2 gang — 4-1/2" H x 4 9/16" W x 2-1/2"D) (3 gang — 4-1/2" H x 6-3/8" W x 2-1/2" D).

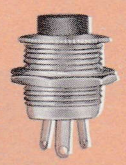


SPEAKER HX31-345
Size—3" Square
Magnet Wt.—1.47 oz.
Impedance—45 ohms
Voice coil size—9/16"
Sensitivity—85 db. at 4'
Freq. Response—300-7000 Hz



6 POINT TERMINAL STRIP
Six screw-type terminals
with brass tinned solder lugs.

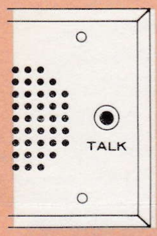
PUSH BUTTON HX11-P
Momentary action single
pole double throw type.
Contact rating ¼ amp.



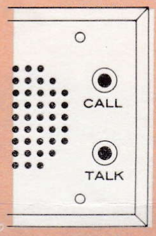
NOTE: All intercom station assemblies are available with 70.7 volt or 25 volt line matching transformers. Suffix model numbers with -T70 or -T25.

LETTERING STYLES

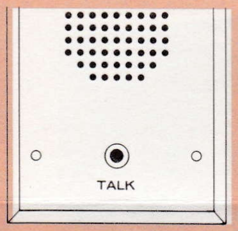
All lettering shown in styles A through H are stamped into the plate and filled with black paint. The height of each letter is 3/16 of an inch. Styles A and B are used on series 3000 and 4000 two gang and three gang assemblies. Styles E and F are used when three gang assemblies are mounted vertically. When lettering is desired, the style must be noted.



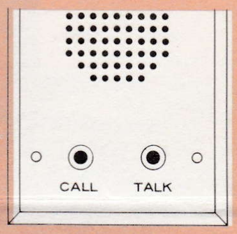
Style A
(Style G: "CALL")



Style B



Style E
(Style H: "CALL")



Style F

CUSTOM INTERCOM ASSEMBLIES

Custom intercom assemblies and prewired units are available through quotations. Almost any variation is possible from changes in gang plate size to the use of non-standard components. Silk screening, engraving or other forms of lettering may be considered. Plates of aluminum or brass may be used in place of stainless steel. Finally, the entire unit can be prewired at the factory for direct shipment to the job site.

When requesting quotations on non-standard units, please be sure to list quantities and as many details as possible. Your request for quotation will be promptly handled.

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / (AC 314) 962-9870
TWX 910-761-1650

SL 1106A
Supersedes SL 1106
Printed in U.S.A.

ACCESSORIES AND TECHNICAL BULLETINS

Description	Model or Series	Specifications
Wall plates, blank	101, 102, 103 Series	1, 2, 3 gang-stainless steel, aluminum or brass
Wall plates, 3/8'' mounting hole	201, 202, 203 Series	'' '' ''
Wall plates, 1/2'' mounting hole	301, 302, 303 Series	'' '' ''
Wall plates, 3/8'' I.D. grommet	401, 402, 403 Series	'' '' ''
Wall plates for mic connectors	501, 502, 601, 602, 701, 702 Series	1 and 2 gang-stainless steel aluminum or brass
Wall plates with mounted connectors	501-13C, 501-14C, 502-13C, 502-14C, 601-13C, 601-14C, 602-13C, 602-14C	1 and 2 gang-stainless steel aluminium or brass
Intercom Wall plates	S2002, S2003 Series	2 and 3 gang-stainless steel
Intercom Station Assemblies	3000 Series	2 and 3 gang with components mounted
Intercom Station Assemblies	4000 Series	2 and 3 gang components mounted including surface box
Customizing Chart	----------- -----------	Includes complete instructions for designing custom wall plates with and without components
Microphone Floor receptacle	MRB Series	Available with and without mic connectors
Carpet trim ring	MRB-TR	Attractive trim for MRB series
(list additions below)		

Technical Bulletins:

Title	Subject

a new concept in audio attenuating . . .

Auto Transformers

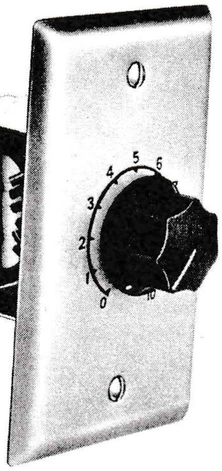
by Warren H. Grote, Soundolier, Inc.

The use of the auto transformer to control the volume of a single or of a group of loudspeakers has revolutionized the field of audio attenuators. Through the employment of a totally different principle, the auto transformer eliminates many of the difficulties connected with the conventional potentiometer or the wire wound L and T pads. The ideal auto transformer, through the application of a switching arrangement, becomes a variable transformer which takes only the power from the amplifier that is needed, rather than dissipating unwanted power in a resistive device. To better understand this unique application of the transformer and to detail its advantages, a general discussion of the operating principles of an auto transformer is in order.

An auto transformer represents an economical approach to the construction of a transformer. Instead of two separate windings for the primary and secondary, a single winding is tapped to give the required turns ratio. Under ideal conditions (no losses), the auto transformer can be treated with the same theory that is applied to the conventional transformer. Therefore, let us review a few basic principles of transformer theory. The secondary impedance reflected back into the primary is directly proportional to the turns ratio squared. If the turns ratio between the primary and secondary increases, the impedance that the amplifier "sees" in the primary increases. Similarly, if the turns ratio decreases, the impedance reflected into the primary decreases. In short, by varying the turns ratio, we have a method of varying the impedance in the primary.

In order to qualitatively examine the effects of the auto transformer on the output of amplifiers having 70.7 or 25 volt lines, we will make the assumption that the output voltage is constant at these values. From Ohm's Law we know that the output voltage is equal to the output current times the impedance the amplifier sees. If the voltage remains constant, the value of the output current is inversely proportional to the impedance. So, if the turns ratio increases, the reflected impedance increases and the output current decreases. Of course, the reverse is true. If the turns ratio decreases, the output current increases. The power available from the amplifier is directly proportional to the current squared times the impedance. This again is an application of Ohm's Law. In summary, if the turns ratio increases, the output current decreases as the impedance rises. However, since power available is proportional to the *square* of the current and only the first power of the impedance, the power decreases. In reverse, if the turns ratio decreases, the power available increases. In effect, by varying the turns ratio, we can demand and receive more or less power from the amplifier.

There are really two major points to remember. One, the auto transformer can be used as an attenuator without dissipating unwanted power in a resistive device. Two, the at-



tenuator action of the auto transformer is independent of the load. The turns ratio will always increase or decrease the available power by the same factor. We shall return to these advantages shortly.

In contrast to the auto transformer, we might examine qualitatively the action of a wire wound T pad. Please note Figure I. R_1 represents two potentiometers that are identical. R_2 represents a third potentiometer that is not of the same value but is on the same shaft.

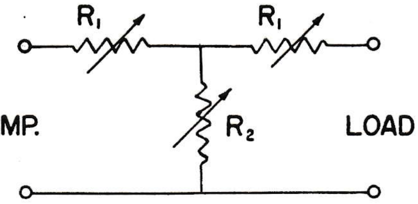


Figure I.

Normally, for proper impedance matching, R_1 is approximately equal to the load at full value while R_2 is many times greater. Also with minimum attenuation, R_1 is at minimum value while R_2 is at maximum. With maximum attenuation, the reverse is true. Finally, R_2 has a logarithmic taper (more rapid) while R_1 is linear (more even). If we roughly check the operation, we can see that with R_1 and R_2 properly chosen for the load a match is maintained. At minimum attenuation, ($R_1 = 0$ and R_2 maximum), the amplifier "sees" the load impedance. At maximum attenuation, R_1 equals the load while R_2 equals 0. This means that the power is dissipated across the first R_1 not the load. However, the amplifier still sees a load impedance of the proper value.

Again, two major points are apparent. Attenuation is achieved by losing power across R_1. The amplifier keeps delivering the same power regardless of the setting. Two, the attenuator action is very much dependent on the load. R_1 must be carefully chosen and must be changed with a change in load impedance. Therefore, the wire wound T pad must be changed if the load is changed. Accordingly, the T pad is available in a number of impedance values.

An example of a practical application will demonstrate the advantages of the auto transformer. Let us assume you wish to control five speakers on a 70.7 volt line. To simplify the arithmetic, each speaker has its matching transformer set on the one watt tap. Therefore, each speaker exhibits an impedance of 5000 ohms. (Remember Ohm's Law, the power is equal to the voltage squared over the impedance.) If the five speakers are in parallel, the total impedance facing the amplifier is 1000 ohms (5000 divided by 5). If you use a wire wound T pad, you will probably purchase a 1000 ohm unit for proper matching. If you have ten speakers using one watt, you will have an impedance of 500 ohms. Therefore, you now need a 500 ohm T pad. If you were to change two or three speakers to two or three watts, you would need still another value. In short, you need a different value of T pad for each impedance change.

On the other hand, if you have a stock of auto transformers available, the same unit can be used in all situations. The impedance value of the load is not a concern to the auto transformer. We could complicate the situation even further and again the auto transformer rises to the occasion. Suppose we use the 25 volt line instead of the 70.7 volt. This, of course, will change all impedances and again you will have to scurry for the proper value T pad. The auto transformer used on the 70.7 volt line can also be applied to the 25 volt line. The only change would be slightly greater ($\frac{1}{2}$ db) attenuation steps. A stock of auto transformers gives you a flexibility unattainable with wire wound T pads.

The advantages of the auto transformer do not end here. Inherently, it is a more efficient device. Only copper and iron losses dissipate power. Therefore, insertion losses need not be considered normally in your calculations.

Wire wound attenuators become noisy with use. This is not nearly as true of an auto transformer. Contact is not made by "rubbing" over wires.

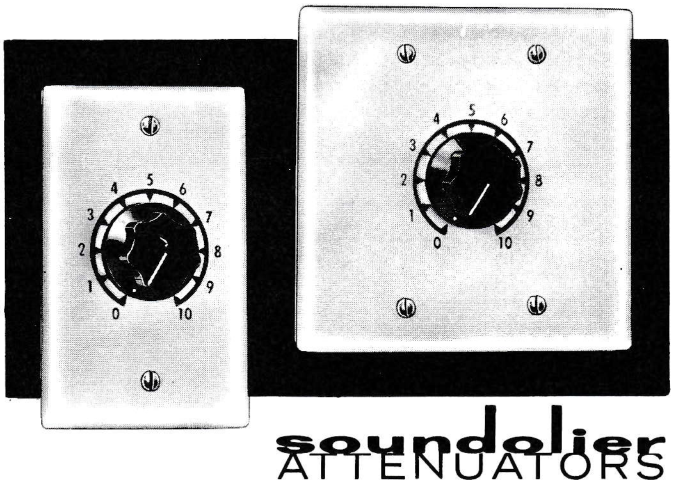
Wire wound attenuators can wear out. If used to any great extent, they will have to be replaced with all the expense of the service call. Auto transformers do not exhibit this liability.

If a wire wound attenuator remains at the same setting for a long period of time, a "dead spot" may occur. This is not true of the switching device on an auto transformer.

It is most difficult to return to an exact setting on a wire wound unit. With an auto transformer, the switching unit makes each position positive.

All of these advantages make the auto transformer a concept worth investigating for the satisfaction of attenuation needs. ▲

soundolier ATTENUATORS



EIGHT MODELS COVERING A WIDE RANGE OF APPLICATIONS

- *AUTO TRANSFORMER attenuators for low insertion loss, high power requirements*
- *T-PAD attenuators for moderate power requirements, superior matching capabilities*
- *L-PAD attenuators for moderate power requirements*

NEW

- *WIRE WOUND POTENTIOMETER attenuators for low power requirements and economy*
- *ALL ATTENUATOR MODELS AVAILABLE PLATE MOUNTED OR WITH HANDSOME ESCUTCHEON PLATE FOR RACK PANEL MOUNTING*

GENERAL DESCRIPTION

Model AT Auto-Transformer Attenuators.

Model AT-10 is designed for use in 70.7 or 25 volt lines. This model can be used to control one or several speakers up to 10 watts of total power. The frequency response is excellent and the insertion loss is extremely low. Attenuation is accomplished in ten steps with a positive off position. There is no stop between the maximum and off positions thus preventing damage to the switch. The switch exhibits silver plated contacts thus eliminating noise and loss. In addition, the AT-10 comes equipped with a single gang brushed stainless steel plate (mounts to standard outlet box) and has a permanent dial scale. Model AT-35 is similar to the AT-10 except the power rating is 35 watts and the unit is equipped with a two gang brushed stainless steel plate which also mounts to a standard outlet box. Both models are complete with handsome skirted knob.

Model TA T-Pad Attenuators

TA T-Pads are 10 watt (3 watts DC) pads and are available in two impedances. The TA-8 is an 8 ohm T-Pad for use in voice coil circuits. The TA-1500 is a 1500 ohm T-Pad for use in line circuits. These units exhibit the superior matching capabilities of the T-Pad configuration. Soundolier T-Pads are continuously variable (no stops) thus preventing possible damage. All pads are mounted on single gang brushed stainless steel plates which have permanent readable dial scales. A skirted knob completes the assembly.

Model LA L-Pad Attenuators

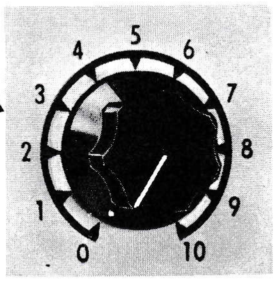
LA L-Pads are 10 watt (3 watts DC) pads and are also available in 8 ohms and 1500 ohm impedances. The LA series pads present a constant impedance to the power source. LA series pads are mounted on a plate similar to the TA series and are also continuously variable. A skirted knob completes the assembly.

Model VC Potentiometer Attenuators

Model VC-5K is designed for use in constant voltage speaker circuits (70.7 or 25 V). Especially designed for use in low power speaker circuits when an economical level control is desirable. The VC-5K is continuously variable and has a 3 watt rating (D.C.). Model VC-50 is designed for use in 4, 8 or 16 ohm voice coil circuits. Power rating is the same as model VC-5K. Both VC models are complete with stainless steel plate with a permanent dial scale. A handsome knob completes these units.

MODELS FOR RACK PANEL MOUNTING

NEW!



Attenuator models are available with a 2 inch square dial plate for rack panel mounting or other applications not requiring a standard wall plate. The etched aluminum dial plate has a lithographed gold finish with a black dial scale and numbers. The finish is extremely durable and fade resistant.

The attenuators mount in a 3/8" hole by means of a shaft bushing. (Dial plate can be used as a template for drilling an additional hole required for locating lug used on auto-transformer.) Panels up to 1/8" thick can be accomodated.

When ordering attenuators for panel mounting suffix model numbers with -RM.

ARCHITECTS' and ENGINEERS' SPECIFICATIONS

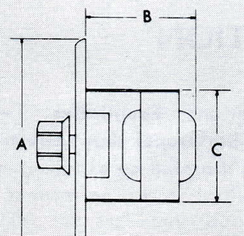
- The attenuator shall be Soundolier model ....auto transformer or approved equal mounted to a standard.............. stainless steel wall plate. Wall plate shall mount to a standard box. Plate shall have a dial scale to indicate attenuator position. Attenuator shall be a step type control with a positive off position. Switch shall have silver plated contacts to eliminate noise and contact loss. There shall be no stop between the maximum and off positions. The power rating shall be.........and attenuation range shall be ....db. The attenuation per step shall be 3 db for AT–35. Attenuation per step for AT–10 shall be as follows: Eight steps of 3 db and 6 db each for the last two positions.
- The attenuator shall be Soundolier model..........Pad or approved equal and shall be mounted to a standard........... gang stainless steel wall plate. Wall plate shall mount to a standard box and shall have a dial scale to indicate attenuator position. Attenuator shall be continuously variable with no stop position. Power rating shall be 3 watts DC and 10 watts audio. The impedance shall be..........ohms.
- The attenuator shall be Soundolier model..........potentiometer or approved equal and shall be mounted to a standard.......... stainless steel wall plate. Wall plate shall mount to a standard box and shall have a dial scale to indicate attenuator position. Attenuator shall be continuously variable with no stop position. Power rating shall be 3 watts (DC rating).

MODEL	AT – 10	AT – 35	TA – 8	TA – 1500	LA – 8	LA – 1500	VC – 5K	VC – 50
Power Rating	10 watts	35 watts	10 watts*	10 watts*	10 watts*	10 watts*	3 watts DC	3 watts DC
Type	Auto-Trans	Auto-Trans	T Pad	T Pad	L Pad	L Pad	Pot.	Pot.
Positions	10-off	10-off	--	--	--	--	--	--
Attenuation Per Step	3 db	3 db	Cont.	Cont.	Cont.	Cont.	Cont.	Cont.
Total Attenuation	36 db (1)	30 db (1)	20db (min)	38db (min)	20db (min)	38db (min)	--	--
Insertion Loss	.5 db	.6 db	.8 db	.8 db	.8 db	.8 db	1 db	1 db
Mounting Plate	1 gang	2 gang	1 gang	1 gang	1 gang	1 gang	1 gang	1 gang
Resistance	--	--	8 ohms	1500 ohms	8 ohms	1500 ohms	5 K ohms	50 ohms

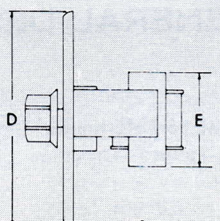
*Audio Rating

(1) The attenuation curve is steeper when the auto–transformers are used on a 25 volt line. 10 watt auto–transformer has two steps of 6 db before off position.

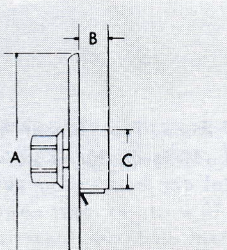
DIMENSIONAL SPECIFICATIONS



SIDE VIEW



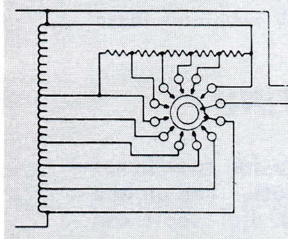
TOP VIEW



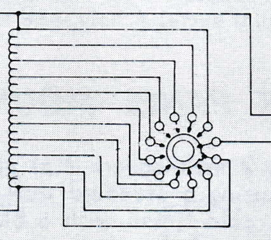
SIDE VIEW

MODEL		A	B	C	D	E
AT-35		4½"	2¼"	2-7/16"	4-9/16"	2"
AT-10		4½"	2-1/16"	2-1/16"	2¾"	1-11/16"
TA-1500	TA-8	4½"	2"	1¼"	2¾"	-
LA-1500	LA-8	4½"	1¼"	1¼"	2¾"	-
VC-5K	VC-50	4½"	5/8"	1¼"	2¾"	1¼"

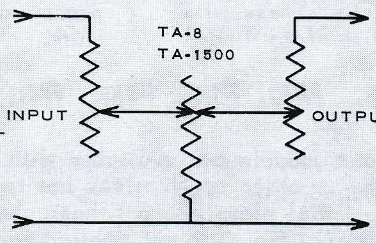
SCHEMATIC DIAGRAMS

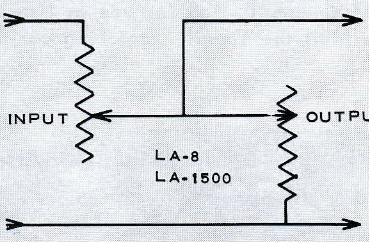


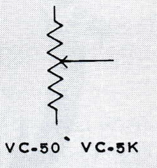
AT-35



AT-10







soundolier, inc.

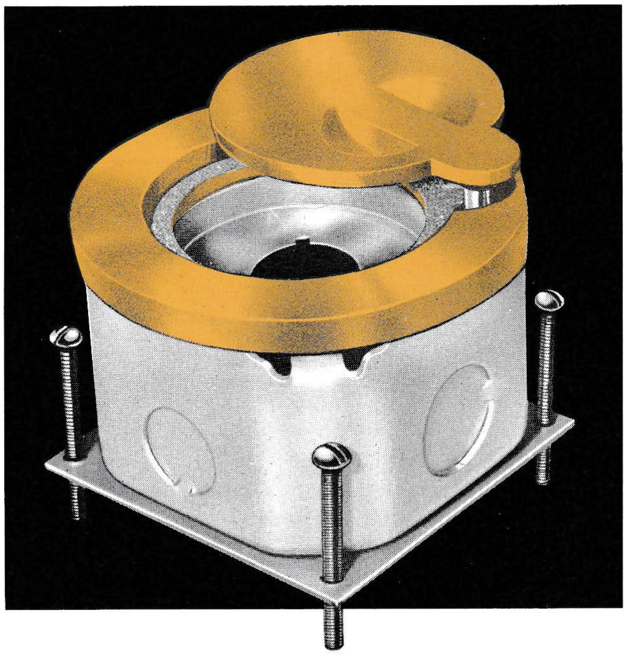
FORM AC-2

9380 WATSON INDUSTRIAL PARK, ST. LOUIS, MO. 63126

Printed in U.S.A

MICROPHONE FLOOR RECEPTACLE BOX

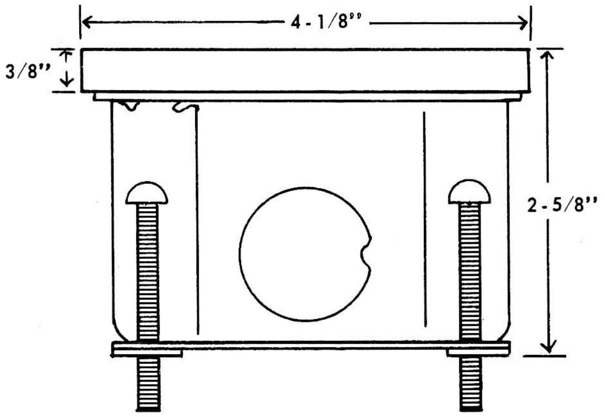
- *Easy open lid . . . no tools required*
- *Receptacle plate punched for selected popular mic connectors*
- *Complete with 4" octagon box*
- *Leveling screws for easy installation*
- *Optional carpet trim ring available*



GENERAL DESCRIPTION

The Model MRB microphone receptacle floor box and and cover outdates all other models of this type. Tools are not required to lift the lid -- therefore no lost lids!!! The lid easily lifts and swings to the side on a pin hinge and then easily falls into a closed position when not in use. Model MRB mic receptacle is furnished complete with a mounting plate punched for the connector of your choice (see reverse side) or better yet, Soundolier will furnish a connector (see chart for available models) completely installed ready for installation. Model MRB has four leveling legs on a welded plate under the box. The leveling legs are located in the extreme corners away from all knockouts. MRB can also be furnished with a matching trim ring for installation in a floor area covered with carpeting. Construction: The lid and trim cover are cast Commercial Red Brass with a brushed finish. The box is a standard 4" octagon box with a welded plate added for leveling purposes. The receptacle plate is spun aluminum (anodized) for your mic connector choice.

Economical – Labor Saving – Attractive



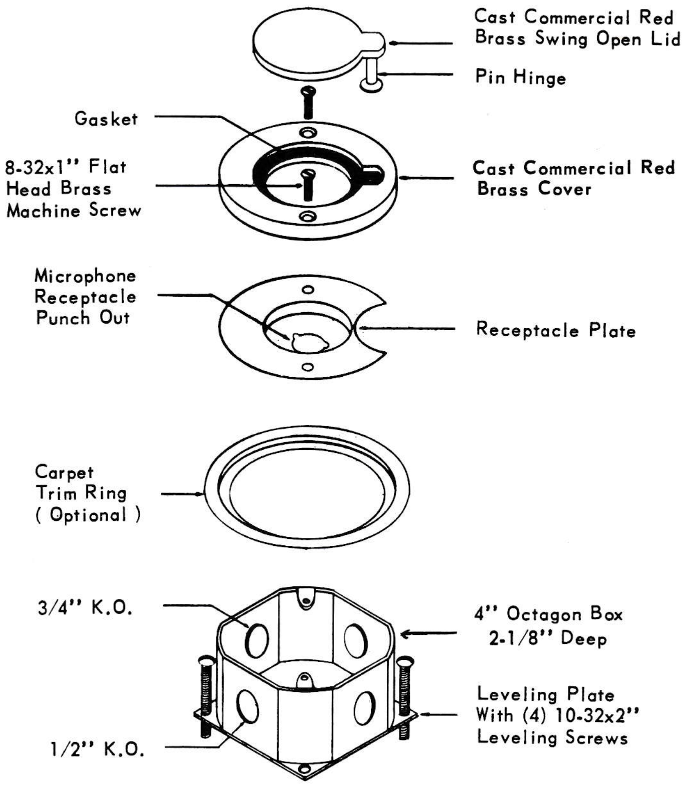
ARCHITECTS' and ENGINEERS' SPECIFICATIONS

The microphone receptacle floor box and cover shall be Soundolier model MRB__________ or approved equal. The lid and cover shall be a solid cast commercial red brass with a satin finish and coated with a clear lacquer. The lid shall require no tools for opening and shall be flush with the floor when closed. The microphone receptacle floor box and cover shall have an adapter punched for a ________________ microphone connector. A standard 4" octagon box shall be furnished with a welded leveling plate and four leveling screws to make adjustments during installation. (Optional for carpeted areas). A matching trim ring for mounting the microphone receptacle floor box in a carpeted area shall be furnished. The carpet trim ring shall be fastened to the octagon box and shall have no protruding hardware.

soundolier, inc.
9380 WATSON INDUSTRIAL PARK, ST. LOUIS, MO. 63126

EXPLODED VIEW

MODEL MRB



Cast Commercial Red Brass Swing Open Lid
Pin Hinge
Gasket
8-32x1" Flat Head Brass Machine Screw
Cast Commercial Red Brass Cover
Microphone Receptacle Punch Out
Receptacle Plate
Carpet Trim Ring (Optional)
3/4" K.O.
4" Octagon Box 2-1/8" Deep
Leveling Plate With (4) 10-32x2" Leveling Screws
1/2" K.O.

ORDERING INFORMATION

*MODEL MRB WITH PUNCH OUT IN RECEPTACLE PLATE (connector not included).

CAT. NO.	MOUNTS FOLLOWING CONNECTORS
MRB-1	Cannon: XLR-3-13, XLR-3-14, XLR-4-13, XLR-4-14 Switchcraft: C3M, C3F, C4M, C4F Amphenol: 91-855, 91-856, 91-859, 91-860
MRB-2	Cannon: XLR-3-13N, XLR-3-14N, XLR-4-13N, XLR-4-14N
MRB-3	Switchcraft: B3M, B4M
MRB-4	Hubbell: 7586

*Other knockouts available at slight additional cost.

Model MRB complete with connector installed

CAT. NO.	INSTALLED CONNECTOR NO.
MRB-1-13	Cannon XLR-3-13
MRB-2-13N	Cannon XLR-3-13N
MRB-1-14	Cannon XLR-3-14
MRB-2-14N	Cannon XLR-3-14N

Carpet trim ring for model MRB (Must be ordered seperately)

CAT. NO.	
MRB–TR	Carpet Trim Ring

MANUFACTURED BY UNION LABOR A.F.L., I.B.E.W. LOCAL NO. 1, ST. LOUIS, MO.

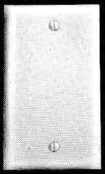
FORM AC-1

Printed in U.S. A.

soundolier
WALL PLATES

Soundolier wall plates are available in three materials, brushed stainless steel (.031), satin anodized aluminum (.032) and brushed brass (.040). Plate mounting hardware included with every plate. Mounting yoke and hardware furnished with plates having strap mounting hole centers (2 3/8") if desired. Note: All plates (blank included) are furnished with standard countersunk mounting holes for 6–32 hardware.

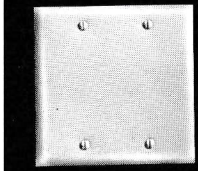
BLANK



BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

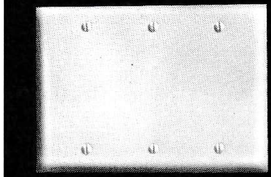
1 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S101	100	10	Br. Stainless Steel	S121	100	10
	Satin Aluminum	A101	100	10	Satin Aluminum	A121	100	10
	Brushed Brass	B101	100	10	Brushed Brass	B121	100	10



BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S102	50	10	Br. Stainless Steel	S122	50	10
	Satin Aluminum	A102	50	10	Satin Aluminum	A122	50	10
	Brushed Brass	B102	50	10	Brushed Brass	B122	50	10

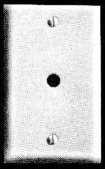


BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

3 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S103	50	10	Br. Stainless Steel	S123	50	10
	Satin Aluminum	A103	50	10	Satin Aluminum	A123	50	10
	Brushed Brass	B103	50	10	Brushed Brass	B123	50	10

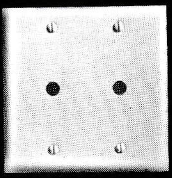
3/8" MOUNTING HOLE



BOX MOUNTING · 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

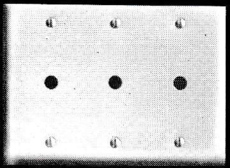
1 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S201	100	10	Br. Stainless Steel	S221	100	10
	Satin Aluminum	A201	100	10	Satin Aluminum	A221	100	10
	Brushed Brass	B201	100	10	Brushed Brass	B221	100	10



BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S202	50	10	Br. Stainless Steel	S222	50	10
	Satin Aluminum	A202	50	10	Satin Aluminum	A222	50	10
	Brushed Brass	B202	50	10	Brushed Brass	B 222	50	10



BOX MOUNTING - 3-9/32" Centers

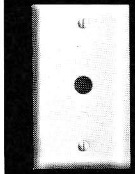
STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

3 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S203	50	10	Br. Stainless Steel	S223	50	10
	Satin Aluminum	A203	50	10	Satin Aluminum	A223	50	10
	Brushed Brass	B203	50	10	Brushed Brass	B223	50	10

soundolier
WALL PLATES

Soundolier wall plates are available in three materials, brushed stainless steel (.031), satin anodized aluminum (.032) and brushed brass (.040). Plate mounting hardware included with every plate. Mounting yoke and hardware furnished with plates having strap mounting hole centers (2 3/8") if desired. Note: All plates (blank included) are furnished with standard countersunk mounting holes for 6–32 hardware.

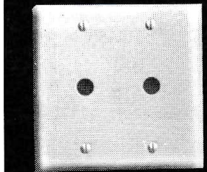
1/2" MOUNTING HOLE



BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

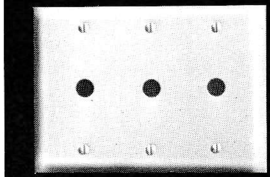
1 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S301	100	10	Br. Stainless Steel	S321	100	10
	Satin Aluminum	A301	100	10	Satin Aluminum	A321	100	10
	Brushed Brass	B301	100	10	Brushed Brass	B321	100	10



BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S302	50	10	Br. Stainless Steel	S322	50	10
	Satin Aluminum	A302	50	10	Satin Aluminum	A322	50	10
	Brushed Brass	B302	50	10	Brushed Brass	B322	50	10



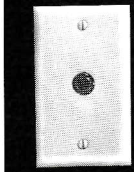
BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

3 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S303	50	10	Br. Stainless Steel	S323	50	10
	Satin Aluminum	A303	50	10	Satin Aluminum	A323	50	10
	Brushed Brass	B303	50	10	Brushed Brass	B323	50	10

TELEPHONE PLATES

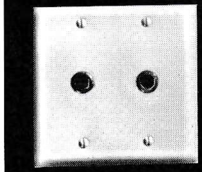
Series 400 plates are furnished with a polyethlene grommet having a 3/8" I.D.



BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

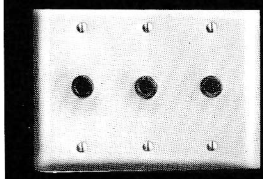
1 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S401	100	10	Br. Stainless Steel	S421	100	10
	Satin Aluminum	A401	100	10	Satin Aluminum	A421	100	10
	Brushed Brass	B 401	100	10	Brushed Brass	B421	100	10



BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S402	50	10	Br. Stainless Steel	S422	50	10
	Satin Aluminum	A402	50	10	Satin Aluminum	A422	50	10
	Brushed Brass	B402	50	10	Brushed Brass	B422	50	10



BOX MOUNTING - 3-9/32" Centers

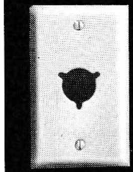
STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

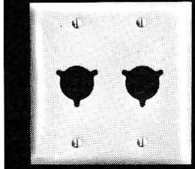
3 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S403	50	10	Br. Stainless Steel	S423	50	10
	Satin Aluminum	A403	50	10	Satin Aluminum	A423	50	10
	Brushed Brass	B403	50	10	Brushed Brass	B423	50	10

soundolier WALL PLATES

MIC CONNECTOR PLATES

Series 500, 600 and 700 plates will mount a variety of microphone connectors. Each series indicates the type of connector that can be mounted on the particular plates in that series. Connector hardware is not furnished.





CANNON XLR-3-13 XLR-3-14 XLR-4-13 XLR-4-14
SWITCHCRAFT C3M C4M C3F C4F
AMPHENOL 91-855 91-856 91-859 91-860

BOX MOUNTING - 3-9/32" Centers

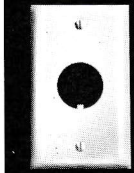
STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

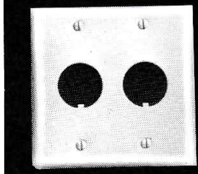
1 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S501	100	10	Br. Stainless Steel	S521	100	10
	Satin Aluminum	A501	100	10	Satin Aluminum	A521	100	10
	Brushed Brass	B501	100	10	Brushed Brass	B521	100	10

BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S502	50	10	Br. Stainless Steel	S522	50	10
	Satin Aluminum	A502	50	10	Satin Aluminum	A522	50	10
	Brushed Brass	B502	50	10	Brushed Brass	B522	50	10





CANNON XLR-3-14N XLR-3-13N
XLR-4-14N XLR-4-13N

BOX MOUNTING - 3-9/32" Centers

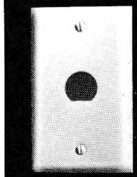
STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

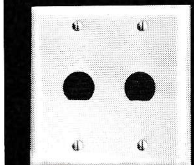
1 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S601	100	10	Br. Stainless Steel	S621	100	10
	Satin Aluminum	A601	100	10	Satin Aluminum	A621	100	10
	Brushed Brass	B601	100	10	Brushed Brass	B621	100	10

BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-2/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S602	50	10	Br. Stainless Steel	S622	50	10
	Satin Aluminum	A602	50	10	Satin Aluminum	A622	50	10
	Brushed Brass	B602	50	10	Brushed Brass	B622	50	10





SWITCHCRAFT B3M B4M

BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

1 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S701	100	10	Br. Stainless Steel	S721	100	10
	Satin Aluminum	A701	100	10	Satin Aluminum	A721	100	10
	Brushed Brass	B701	100	10	Brushed Brass	B721	100	10

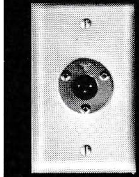
BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG	Material	Cat. No.	Std. Pkg.	Car-ton	Material	Cat. No.	Std. Pkg.	Car-ton
	Br. Stainless Steel	S702	50	10	Br. Stainless Steel	S722	50	10
	Satin Aluminum	A702	50	10	Satin Aluminum	A722	50	10
	Brushed Brass	B702	50	10	Brushed Brass	A722	50	10

soundolier WALL PLATES

Soundolier has available four Cannon mic connectors, XLR-3-13, XLR 3-14, XLR-3-13N and XLR-3-14N. Each type connector is available on a single gang plate or a pair on a double gang plate. All connectors are mounted on the plates and individually packed with plate hardware in polyethlene bags. Standard package is 6 units per package.

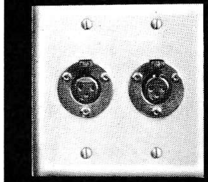


BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

1 GANG

Material	Cat. No.	Connector No.	Std. Pkg.	Material	Cat. No.	Connector No.	Std. Pkg.
Br. Stainless Steel	S501-13C	XLR-3-13	6	Br. Stainless Steel	S521-13C	XLR-3-13	6
Satin Aluminum	A501-13C	XLR-3-13	6	Satin Aluminum	A521-13C	XLR-3-13	6
Brushed Brass	B501-13C	XLR-3-13	6	Brushed Brass	B521-13C	XLR-3-13	6
Br. Stainless Steel	S501-14C	XLR-3-14	6	Br. Stainless Steel	S521-14C	XLR-3-14	6
Satin Aluminum	A501-14C	XLR-3-14	6	Satin Aluminum	A521-14C	XLR-3-14	6
Brushed Brass	B501-14C	XLR-3-14	6	Brushed Brass	B521-14C	XLR-3-14	6

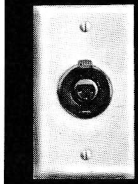


BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG

Material	Cat. No.	Connector No.	Std. Pkg.	Material	Cat. No.	Connector No.	Std. Pkg.
Br. Stainless Steel	S502-13C	XLR-3-13	6	Br. Stainless Steel	S522-13C	XLR-3-13	6
Satin Aluminum	A502-13C	XLR-3-13	6	Satin Aluminum	A522-13C	XLR-3-13	6
Brushed Brass	B502-13C	XLR-3-13	6	Brushed Brass	B522-13C	XLR-3-13	6
Br. Stainless Steel	S502-14C	XLR-3-14	6	Br. Stainless Steel	S522-14C	XLR-3-14	6
Satin Aluminum	A502-14C	XLR-3-14	6	Satin Aluminum	A522-14C	XLR-3-14	6
Brushed Brass	B502-14C	XLR-3-14	6	Brushed Brass	B522-14C	XLR-3-14	6

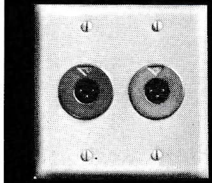


BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

1 GANG

Material	Cat. No.	Connector No.	Std. Pkg.	Material	Cat. No.	Connector No.	Std. Pkg.
Br. Stainless Steel	S601-13C	XLR-3-13N	6	Br. Stainless Steel	S621-13C	XLR-3-13N	6
Satin Aluminum	A601-13C	XLR-3-13N	6	Satin Aluminum	A621-13C	XLR-3-13N	6
Brushed Brass	B601-13C	XLR-3-13N	6	Brushed Brass	B621-13C	XLR-3-13N	6
Br. Stainless Steel	S601-14C	XLR-3-14N	6	Br. Stainless Steel	S621-14C	XLR-3-14N	6
Satin Aluminum	A601-14C	XLR-3-14N	6	Satin Aluminum	A621-14C	XLR-3-14N	6
Brushed Brass	B601-14C	XLR-3-14N	6	Brushed Brass	B621-14C	XLR-3-14N	6

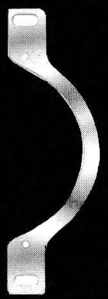


BOX MOUNTING - 3-9/32" Centers

STRAP MOUNTING - 2-3/8" Centers
If mounting yoke is desired, suffix catalog no. with "Y".

2 GANG

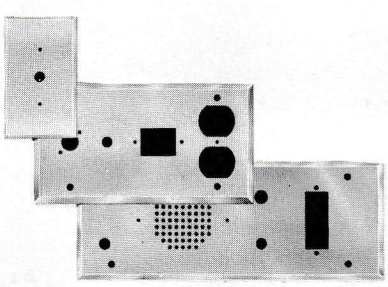
Material	Cat. No.	Connector No.	Std. Pkg.	Material	Cat. No.	Connector No.	Std. Pkg.
Br. Stainless Steel	S602-13C	XLR-3-13N	6	Br. Stainless Steel	S622-13C	XLR-3-13N	6
Satin Aluminum	A602-13C	XLR-3-13N	6	Satin Aluminum	A622-13C	XLR-3-13N	6
Brushed Brass	B602-13C	XLR-3-13N	6	Brushed Brass	B622-13C	XLR-3-13N	6
Br. Stainless Steel	S602-14C	XLR-3-14N	6	Br. Stainless Steel	S622-14C	XLR-3-14N	6
Satin Aluminum	A602-14C	XLR-3-14N	6	Satin Aluminum	A622-14C	XLR-3-14N	6
Brushed Brass	B602-14C	XLR-3-14N	6	Brushed Brass	B622-14C	XLR-3-14N	6



#238 MOUNTING YOKE
Mounting yokes may be purchased separately or may be purchased with plates having strap mounting hole centers (2-3/8"). Each yoke is supplied with two 6-32 x 3/4" mounting screws. Mounting centers are 3-9/32" for mounting to box and 2-3/8" for mounting plate to yoke. Box mounting holes allow for easy alignment. Packed 10 yokes and hardware sets per standard carton, 100 per standard package.

CUSTOM WALL PLATES

Soundolier will help you design your custom plate requirements to meet almost any specification. Write for brochure WP-1264 and for custom drafting chart DC-1264.



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Printed in U.S.A.

FORM 7165

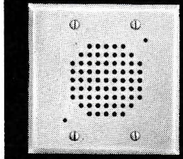
soundolier WALL PLATES

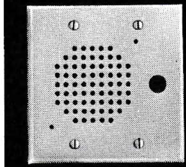
INTERCOM WALL PLATES

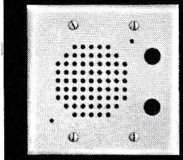
Series 2000 Intercom Wall Plates are available in a variety of designs. Speaker mounting holes are available for 2½" or 3" speakers.

Plate mounting holes are standard and counter sunk for 6–32 hardware. (NOTE: ¼" mounting holes for use with cup washers available. Suffix catalog number with "CW" when ordering.) Plate mounting hardware included with every plate. Component mounting hardware is not furnished.

All plates use box mounting, 3-9/32" centers.



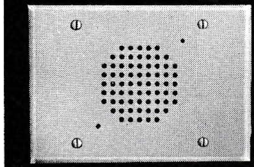


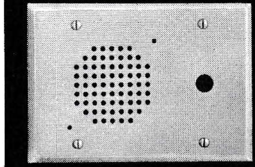


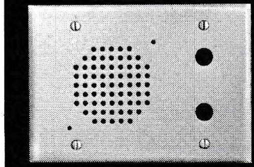
2 GANG INTERCOM PLATES

Material	Cat. No.	Description
BRUSHED STAINLESS STEEL	S-2002-2	2 gang plate with style B grille. Mounts 2½" speaker.
	S-2002-3	2 gang plate with style B grille. Mounts 3" speaker.
	S-2002-2H	2 gang plate with style B grille & one ½" hole. Mounts 2½" speaker.
	S-2002-3H	2 gang plate with style B grille & one ½" hole. Mounts 3" speaker.
	S-2002-3HS	2 gang plate with style B grille & one ½" hole. Mounts 3" speaker.
		Plate has word "TALK" silk-screened beneath ½" hole.
	S-2002-2H2	2 gang plate with style B grille & two ½" holes. Mounts 2½" speaker.
	S-2002-3H2	2 gang plate with style B grille & two ½" holes. Mounts 3" speaker.

Unless otherwise specified, plates are shipped with counter sunk plate mounting holes. Suffix catalog number with "CW" if cup washer mounting is desired.

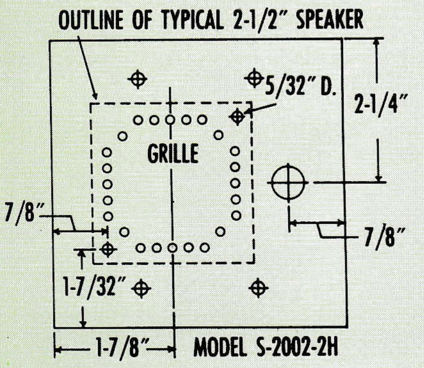


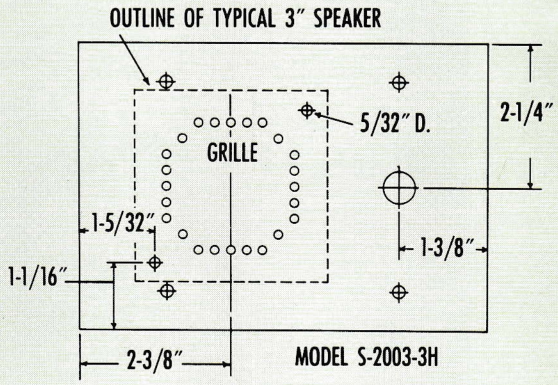


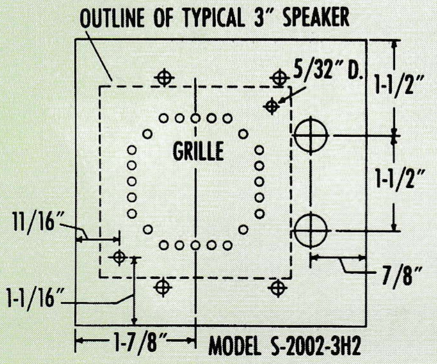


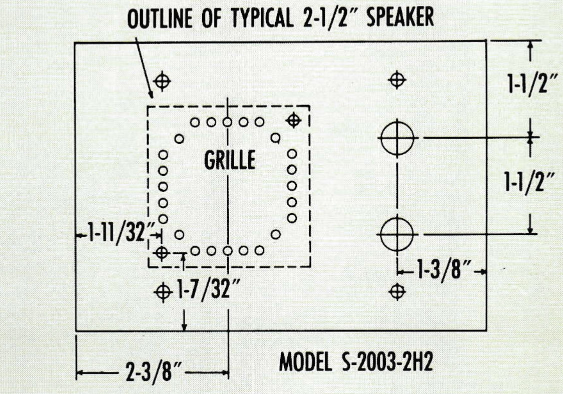
3 GANG INTERCOM PLATES

Material	Cat. No.	Description
BRUSHED STAINLESS STEEL	S-2003-2	3 gang plate with style B grille. Mounts 2½" speaker.
	S-2003-3	3 gang plate with style B grille. Mounts 3" speaker.
	S-2003-2H	3 gang plate with style B grille & one ½" hole. Mounts 2½" speaker.
	S-2003-3H	3 gang plate with style B grille & one ½" hole. Mounts 3" speaker.
	S-2003-3HS	3 gang plate with style B grille & one ½" hole. Mounts 3" speaker.
		Plate has word "TALK" silk-screened beneath ½" hole.
	S-2003-2H2	3 gang plate with style B grille & two ½" holes. Mounts 2½" speaker.
	S-2003-3H2	3 gang plate with style B grille & two ½" holes. Mounts 3" speaker.


OUTLINE OF TYPICAL 2-1/2" SPEAKER
5/32" D.
2-1/4"
GRILLE
7/8"
7/8"
1-7/32"
1-7/8"
MODEL S-2002-2H


OUTLINE OF TYPICAL 3" SPEAKER
5/32" D.
2-1/4"
GRILLE
1-5/32"
1-1/16"
1-3/8"
2-3/8"
MODEL S-2003-3H


OUTLINE OF TYPICAL 3" SPEAKER
5/32" D.
1-1/2"
1-1/2"
GRILLE
11/16"
1-1/16"
7/8"
1-7/8"
MODEL S-2002-3H2


OUTLINE OF TYPICAL 2-1/2" SPEAKER
1-1/2"
1-1/2"
GRILLE
1-11/32"
1-7/32"
1-3/8"
2-3/8"
MODEL S-2003-2H2

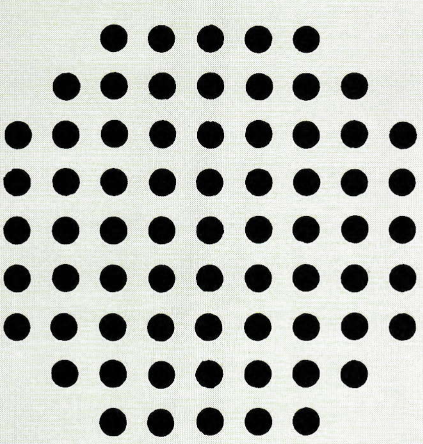
NOTE: When intercom wall plates are to be mounted to a wall outlet box, check box dimensions. This is necessary to insure proper clearance for the speaker and other plate mounted components. Checking the box dimensions is especially important when using a 3" speaker.

A masonry type box is recommended for all installations.

TALK -- Full size reproduction of style silk screening used on Model S-2002-3HS and S-2003-3HS plates. Letter color is black and size is 3/16". An epoxy ink is used which is extremely difficult to remove.

Custom silk screening is also available. Submit a drawing of your requirements for quotation.

STYLE B GRILLE OPENING (Actual Size)



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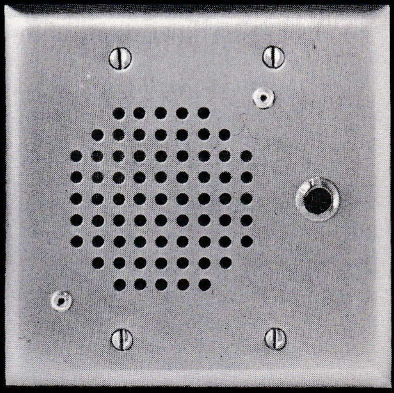
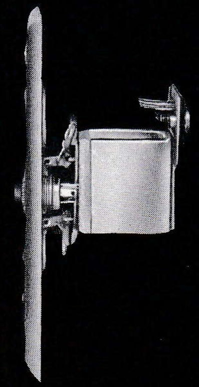
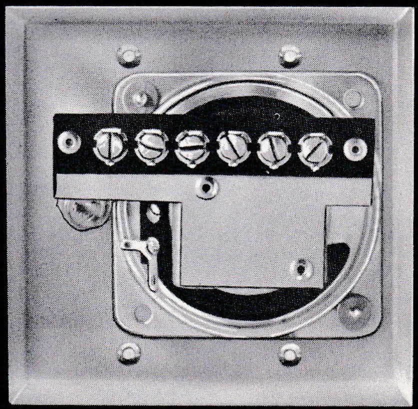
INTERCOM
STATION
ASSEMBLIES







soundolier

INTRODUCTION

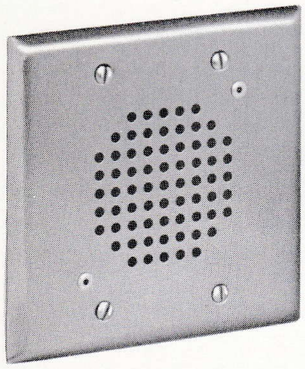
Soundolier now offers prepackaged intercom assemblies which represent economy, convenience and variety — all from a single source. Represented in this brochure are over 16 models of two and three gang assemblies ready for individual wiring needs. A high quality three inch speaker with a heavy 1.47 ounce magnet is riveted to a beautiful brushed stainless steel plate. Also available are one or two push button switches which have the capability of being wired in a normally open or closed position.

Soundolier intercom assemblies can be surface mounted by utilizing our 4000 series. With each assembly, a surface enclosure is furnished which can be mounted directly to the wall or to a standard outlet box. In addition, through our series 300 enclosures, surface mounted boxes are available in 2 and 3 gang sizes for other applications.

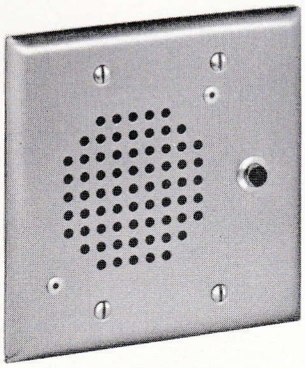
Standard models include "CALL" and/or "TALK" stamped and paint filled on the plate. Special lettering may be specified by writing Soundolier regarding the availability and a quotation. Assemblies completely wired are also available on special order. Contact us for details.

RECESS MOUNTING — Series 3000

Series 3000 recessed intercom stations mount to conduit outlet boxes utilizing plaster rings of the required number of gangs. Masonry type boxes of the proper size can also be used. The total depth required for two and three gang models is 2¼ inches. All components listed under each model are pre-mounted at the factory. Stamp and paint filled lettering is designated by a style type. Specifications for each component are also listed on the back cover.

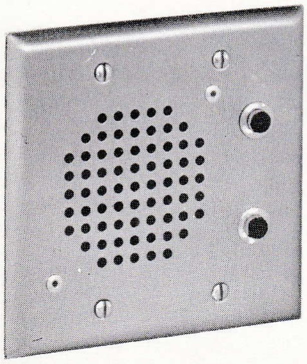


MODEL 3002
2 gang stainless steel plate
#3-45 speaker



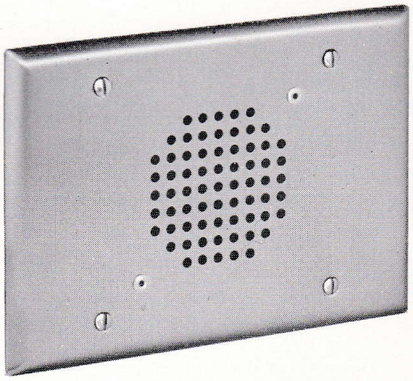
MODEL 3012
2 gang stainless steel plate
#3-45 speaker
#6-6 terminal strip
#1-2T push button switch (1)

MODEL 3012-A
Same with style A lettering

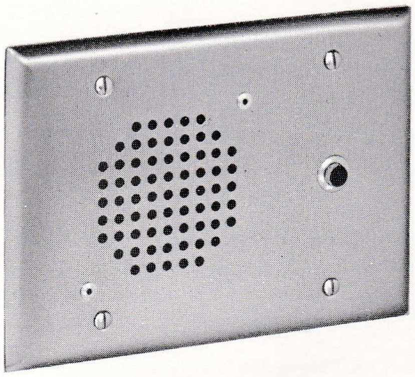


MODEL 3022
2 gang stainless steel plate
#3-45 speaker
#6-6 terminal strip
#1-2T push button switch (2)

MODEL 3022-B
Same with style B lettering



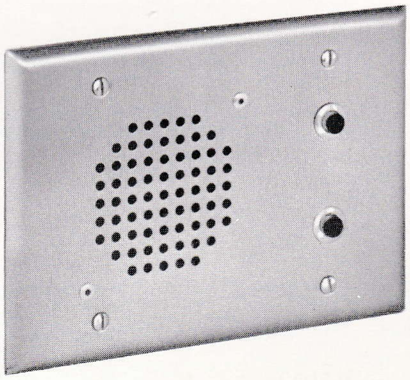
MODEL 3003
3 gang stainless steel plate
#3-45 speaker



MODEL 3013
3 gang stainless steel plate
#3-45 speaker
#6-6 terminal strip
#1-2T push button switch (1)

MODEL 3013-C
Same with style C lettering

MODEL 3013-E (Vertical)
Same with style E lettering



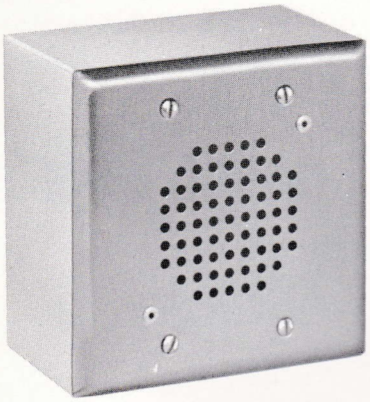
MODEL 3023
3 gang stainless steel plate
#3-45 speaker
#6-6 terminal strip
#1-2T push button switch (2)

MODEL 3023-D
Same with style D lettering

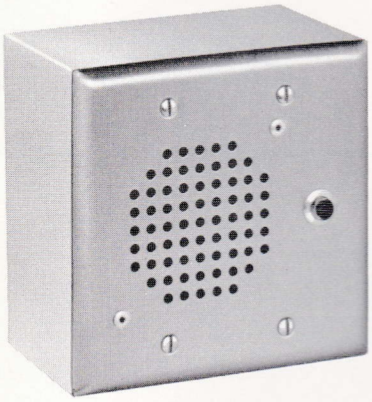
MODEL 3023-F (Vertical)
Same with Style F lettering

SURFACE MOUNTING — Series 4000

Series 4000 surface intercom stations are similar to series 3000 stations except with the addition of a surface mounting enclosure (see below). All components listed under each model are premounted at the factory. Stamp and paint filled lettering is designated by a style type. Specifications for each component is given on the back cover.

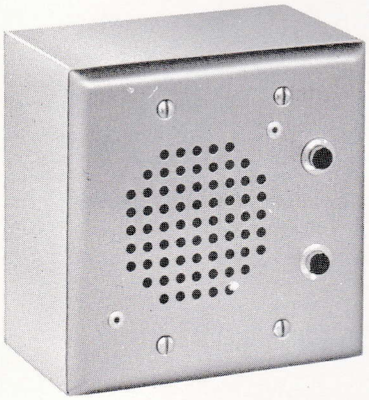


MODEL 4002
2 gang stainless steel plate
#3-45 speaker
Model 302 enclosure



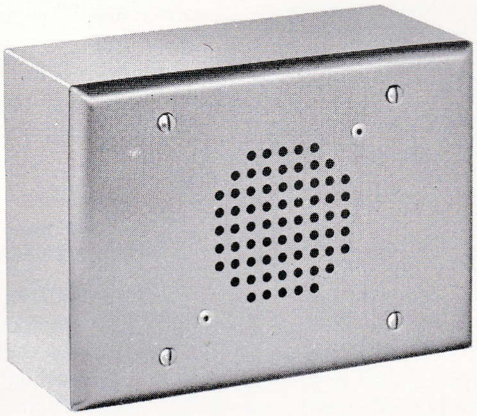
MODEL 4012
2 gang stainless steel plate
#3-45 speaker
#6-6 terminal strip
#1-2T push button switch (1)
Model 302 enclosure

MODEL 4012-A
Same with style A lettering

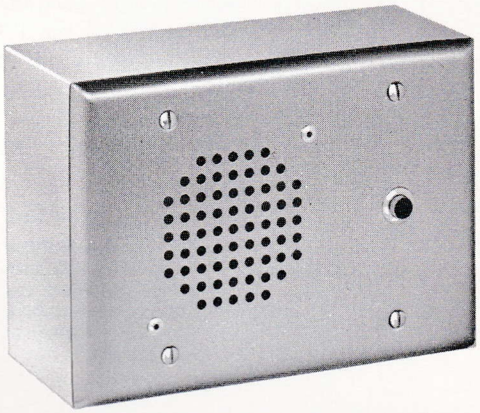


MODEL 4022
2 gang stainless steel plate
#3-45 speaker
#6-6 terminal strip
#1-2T push button switch (2)
Model 302 enclosure

MODEL 4022-B
Same with style B lettering



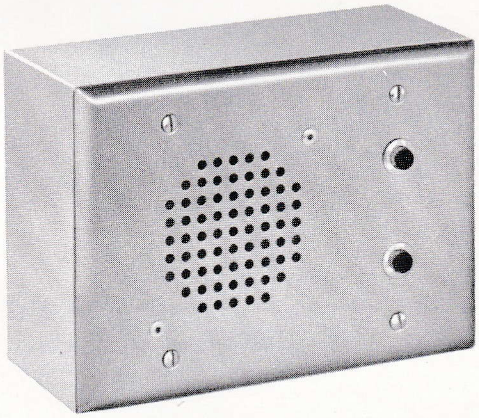
MODEL 4003
3 gang stainless steel plate
#3-45 speaker
Model 303 enclosure



MODEL 4013
3 gang stainless steel plate
#3-45 speaker
#6-6 terminal strip
#1-2T push button switch (1)
Model 303 enclosure

MODEL 4013-C
Same with style C lettering

MODEL 4013-E (Vertical)
Same with style E lettering



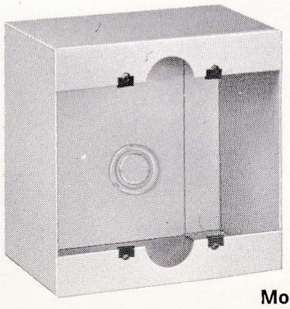
MODEL 4023
3 gang stainless steel plate
#3-45 speaker
#6-6 terminal strip
#1-2T push button switch (2)
Model 303 enclosure

MODEL 4023-D
Same with style D lettering

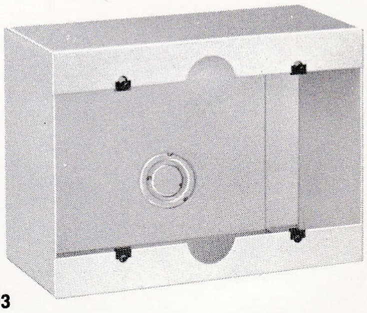
MODEL 4023-F
Same with Style F lettering

SERIES 300 ENCLOSURES

Series 300 enclosures are designed to surface mount series 3000 intercom stations. It is finished with a neutral sand beige baked enamel. Two knockouts are provided — a combination knockout in the back of the box and a ½″ knockout in the bottom. Two mounting holes are located so the enclosure can be mounted to a standard outlet box. This is an advantage when an existing box is too small (single gang box, handy box, etc.) to accept a Series 3000 intercom station. Series 300 enclosures can be surface mounted directly to the existing box and the intercom then installed.



Model 302



Model 303

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

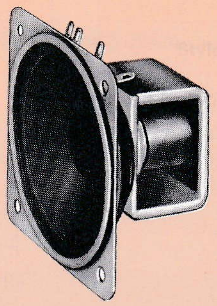
The intercom station shall be Soundolier Model__________or approved equal. The unit shall consist of a________gang stainless steel plate with a 3" speaker. The speaker magnet shall be a minimum of 1.47 ounces. The voice coil impedance shall be 45 ohms and shall have a minimum diameter of 9/16 of an inch. Total depth of the unit shall be 2-1/16 inches.

(Add the following for units with push buttons)
The unit shall also incorporate a terminal strip and________SPDT push button switche(es). The terminal strip shall have six screw terminals for easy installation. The push button switch shall be a momentary action single pole double throw type. The contact rating shall be 1/4 amp.

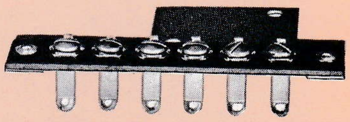
(Add for plates requiring stamped lettering)
The Model__________intercom station shall have stamped and black paint filled lettering. Lettering shall consist of__________________(call and/or talk) stamped adjacent to the push button switch(es).

(Add for units that are to be recessed)
The Model__________intercom station shall mount to a conduit outlet box that is equipped with a plaster ring or to a masonry type box.

(Add for models that include enclosure for surface mounting)
The Model__________intercom station shall be equipped with Soundolier Model__________surface mount enclosure or approved equal. Enclosure finish shall be sand beige baked enamel. It shall have a combination knockout in the back of the enclosure and a ½ inch knockout in the bottom. Two mounting holes shall be provided in the enclosure back. The mounting holes shall be located so the enclosure can be mounted to an existing single gang box. Enclosure dimensions shall be__________________(2 gang — 4-1/2" H x 4 9/16" W x 2-1/2"D) (3 gang — 4-1/2" H x 6-3/8" W x 2-1/2" D).

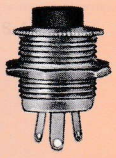


SPEAKER #3-45
Size—3" Square
Magnet Wt.—1.47 oz.
Impedance—45 ohms
Voice coil size—9/16"



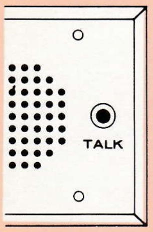
TERMINAL STRIP #6-6
Six screw-type terminals
with brass tinned solder lugs.

PUSH BUTTON #1-2T
Momentary action single
pole double throw type.
Contact rating ¼ amp.

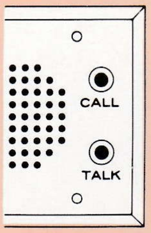


LETTERING STYLES

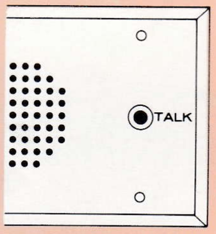
All letering shown in styles A through F are stamped into the plate and filled with black paint. The height of each letter is 3/16 of an inch. Style A and B are used on series 3000 and 4000 two gang assemblies. Styles C and D are used on series 3000 and 4000 three gang assemblies. Styles E and F are used when three gang assemblies are mounted vertically. When lettering is desired, the style must be noted.



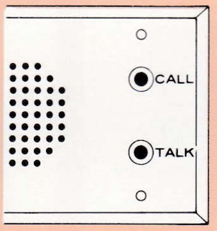
Style A



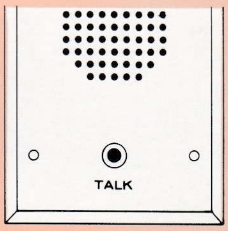
Style B



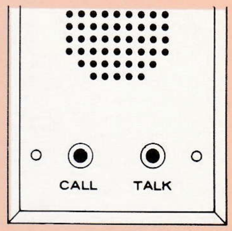
Style C



Style D



Style E



Style F

CUSTOM INTERCOM ASSEMBLIES

Custom intercom assemblies and prewired units are available through quotations. Almost any variation is possible from changes in gang plate size to the use of non-standard components. Silk screening, engraving or other forms of lettering may be considered. Plates of aluminum or brass may be used in place of stainless steel. Finally, the entire unit can be prewired at the factory for direct shipment to the job site.

When requesting quotations on non-standard units, please be sure to list quantities and as many details as possible. Your request for quotation will be promptly handled.

soundolier, inc.
9380 WATSON INDUSTRIAL PARK, ST. LOUIS, MO. 63126

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SOUND INSTALLERS HEADACHE #3013

CUSTOMIZING

SEE INSIDE . . .

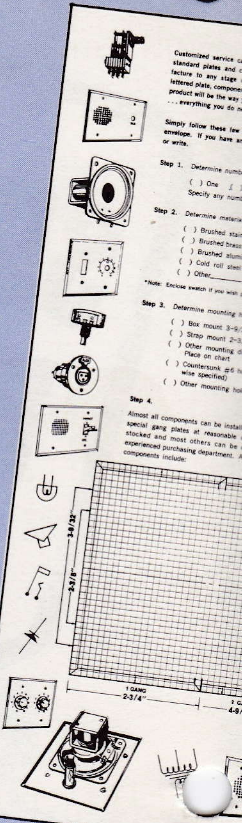
soundolier, inc.

Soundolier, Inc.
has the "cure" for your customizing problems...

SOUNDOLIER'S FREE QUICK-AND-EASY CUSTOMIZING KIT!

Soundolier will quote and manufacture to any stage of completion at LOWER COST.

- *Plain Punched Plates*
- *Lettered Plates*
- *Wired Components*
- *You-Name-It*
- *Any Quantity*



Customized service c
standard plates and c
facture to any stage
lettered plate, compone
product will be the way
. . . everything you do n

Simply follow these few
envelope. If you have a
or write.

Step 1. Determine numb

( ) One ( )
Specify any num

Step 2. Determine materia

( ) Brushed stai
( ) Brushed brass
( ) Brushed alumi
( ) Cold roll steel
( ) Other

*Note: Enclose swatch if you wish

Step 3. Determine mounting

( ) Box mount 3-9/
( ) Strap mount 2-3
( ) Other mounting d
Place on chart
( ) Countersunk #6 h
wise specified)
( ) Other mounting ho

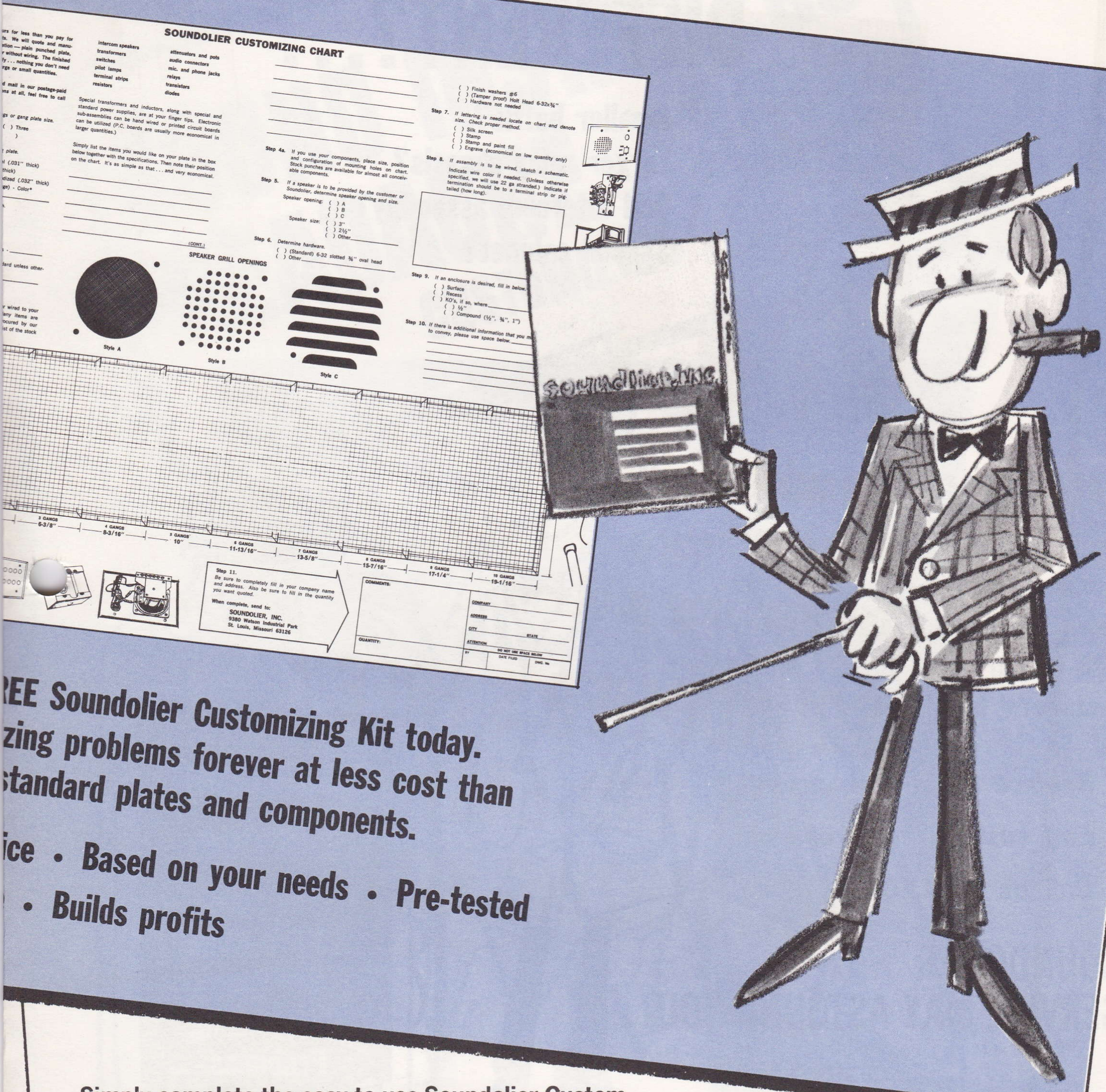
Step 4.

Almost all components can be instal
special gang plates at reasonable
stocked and most others can be
experienced purchasing department.
components include:

Send for your
End your custon
you now pay for

Simple, quick se

- Saves shop tin



soundolier, inc.

urs for less than you pay for
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r without wiring. The finished
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ns at all, feel free to call

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( ) Three
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thick)
dized (.032" thick)
ge) - Color*

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SOUNDOLIER CUSTOMIZING CHART

intercom speakers
transformers
switches
pilot lamps
terminal strips
resistors

attenuators and pots
audio connectors
mic. and phone jacks
relays
transistors
diodes

Special transformers and inductors, along with special and standard power supplies, are at your finger tips. Electronic sub-assemblies can be hand wired or printed circuit boards can be utilized (P.C. boards are usually more economical in larger quantities.)

Simply list the items you would like on your plate in the box below together with the specifications. Then note their position on the chart. It's as simple as that . . . and very economical.

(CONT.)

Step 4a. If you use your components, place size, position and configuration of mounting holes on chart. Stock punches are available for almost all conceivable components.

Step 5. If a speaker is to be provided by the customer or Soundolier, determine speaker opening and size.

Speaker opening:
( ) A
( ) B
( ) C

Speaker size:
( ) 3"
( ) 2½"
( ) Other______

Step 6. Determine hardware.

( ) (Standard) 6-32 slotted ¾" oval head
( ) Other______
( ) Finish washers #6
( ) (Tamper proof) Holt Head 6-32x¾"
( ) Hardware not needed

Step 7. If lettering is needed locate on chart and denote size. Check proper method.

( ) Silk screen
( ) Stamp
( ) Stamp and paint fill
( ) Engrave (economical on low quantity only)

Step 8. If assembly is to be wired, sketch a schematic.

Indicate wire color if needed. (Unless otherwise specified, we will use 22 ga stranded.) Indicate if termination should be to a terminal strip or pig-tailed (how long).

Step 9. If an enclosure is desired, fill in below.

( ) Surface
( ) Recess
( ) KO's, if so, where______
( ) ½"
( ) Compound (½", ¾", 1")

Step 10. If there is additional information that you m
to convey, please use space below.______

SPEAKER GRILL OPENINGS

Style A

Style B

Style C

3 GANGS 6-3/8"
4 GANGS 8-3/16"
5 GANGS 10"
6 GANGS 11-13/16"
7 GANGS 13-5/8"
8 GANGS 15-7/16"
9 GANGS 17-1/4"
10 GANGS 19-1/16"

Step 11.
Be sure to completely fill in your company name and address. Also be sure to fill in the quantity you want quoted.

When complete, send to:

SOUNDOLIER, INC.
9380 Watson Industrial Park
St. Louis, Missouri 63126

COMMENTS:

QUANTITY:

COMPANY

ADDRESS

CITY STATE

ATTENTION

DO NOT USE SPACE BELOW

BY	DATE FILED	DWG. No

REE Soundolier Customizing Kit today.
zing problems forever at less cost than
tandard plates and components.

ice • Based on your needs • Pre-tested
• Builds profits

Simply complete the easy to use Soundolier Customizing Chart for a quick quote and fast service. The finished product will be the way YOU specify, but cost less than standard plates and components.

WRITE US TODAY OR FEEL FREE TO CALL COLLECT (314) 962-9870

CASE CLOSED

NEED SOMETHING JUST A LITTLE DIFFERENT?...

CONDENSED CATALOG
No. 103

soundolier, inc.

9380 Watson Industrial Park • St. Louis, Mo. 63126 • 962-9870 (Area 314)

MANUFACTURERS OF COMMERCIAL SOUND ACCESSORIES

- POWER SUPPLIES
- RELAY PAKS, PLUG-IN RELAYS, RELAY CHASSIS
- POWER SUPPLY-RELAY MODULE
- TONE GENERATORS
- COMMUNICATIONS CONTROL CENTER
- ZONE PAGE POWERED RELAY PAK
- STANDARD ATTENUATORS, DELUXE PRIORITY ATTENUATORS
- TRANSFORMERS
- STANDARD WALL PLATES AND CONNECTORS
- INTERCOM STATION ASSEMBLIES
- CUSTOM ASSEMBLIES
- SOUND COLUMNS
- MIC RECEPTACLE FLOOR BOX
- ASSEMBLED BAFFLES/SPEAKERS/TRANSFORMERS
- BAFFLES, ENCLOSURES
- ELECTRONIC EQUIPMENT CABINETS

Smaller baffle?
Larger relay chassis?
Odd intercom assembly?
Special cabinet?

CALL COLLECT OR WRITE...

we'll manufacture to YOUR specifications in any quantity. Just ask. You'll discover that we aim to cure any sort of sound installers' headache!

- *Replace panic with profits*
- *End customizing problems*
- *Call us COLLECT*

SOUNDOLIER
SERVICE MAY ASTOUND YOU!

Soundolier Service
The sure "SOUND CURE" for your Customizing Problems

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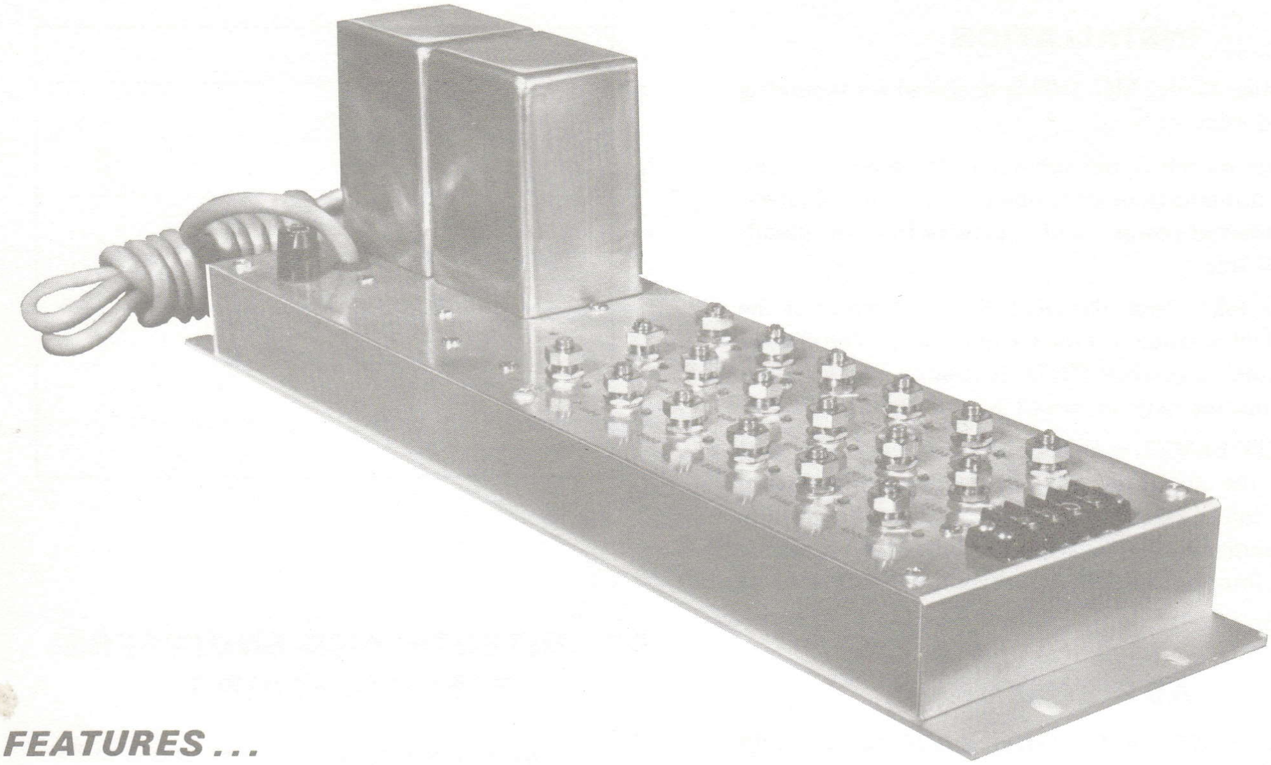
9380 WATSON INDUSTRIAL PARK / ST. LOUIS, MISSOURI 63126 / 314-962-9870

Masking
Loudspeaker
Systems

soundolier, inc.

MASKING NOISE GENERATOR

MG-1500



FEATURES . . .

- Noise generator based on digital circuits
- Output level control
- Buffered output for 600 ohm load
- Fourteen adjustable broadband active filters centered at 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000 Hz for room and loud speaker acoustics equalization
- Each ⅓ octave filter adjustable from +10db band pass gain to −10db band reject notch
- Active response shaping filter adjustable from flat to 12 db/octave rolloff
- Active low cut filter adjustable from 30 Hz to 150 Hz with a rolloff of 12 db/octave
- Additional variable HIGH CUT from 5000 Hz for difficult situations
- All active circuitry contained on a plug-in module for easy field servicing.
- Internal power supply for standard 117 VAC operation
- Controls and terminals accessible from the rear
- 5¼ x 19 inch panel, mounts in standard relay rack

GENERAL DESCRIPTION

The Soundolier Model MG-1500 masking noise generator is a carefully engineered source for architectural masking. A digital noise module drives a set of selected filters which shapes the response to obtain a given design specification.

Rolloff settings from flat to 12 db per octave are provided by means of the adjustable active shaping filter. Also provided are fourteen adjustable broadband active filters on ⅓ octave centers from 200 Hz to 4000 Hz. These filters allow for compensation in room and loudspeaker acoustics. In addition, an adjustable LOW CUT allows selection of low frequency rolloff points from 30 to 150 Hz. An adjustable HIGH CUT is incorporated allowing for additional attenuation above 5000 Hz.

The output level is adjustable by means of an OUTPUT LEVEL control. All active circuitry is contained on a plug-in module for easy field servicing.

The Soundolier MG-1500 is mounted on a standard relay rack panel 19″ x 5¼″. The unit is self-contained and operates from 117 VAC and has a 3 conductor, 6 foot cord. All the controls project to the rear and are secured by lock nuts. Terminals are accessible from the rear. The front panel is finished in a dark textured bronze, baked enamel.

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INSTALLATION

The Soundolier Model MG-1500 is designed for mounting in a standard relay rack.

Since a power switch is not provided, the generator may be left on continuously or controlled by a switched power source. An internal power supply operates from the standard 117 VAC line.

The signal is taken from the OUTPUT and either of the two COMMON positions on the terminal strip. The chassis ground terminal is marked GND. If desired, the common side of the output may be wired to the chassis ground.

The OUTPUT LEVEL control is adjusted to set the level required by the amplifier. The unit will supply 0 dbm (.8V RMS) into a 600 ohm load when the level control is set to maximum output. The generator is not load sensitive and higher impedances can be driven without loss of performance.

ADJUSTMENT

Initially, the LOW PASS control should be set fully counter-clockwise.

The ⅓ octave filter controls should be set at 0 or flat, which is the center of the dial.

The LOW CUT control may be in any position as the low frequency cut off may be determined later.

The HIGH CUT control should be set fully clockwise. With these settings, PINK NOISE output is achieved.

The LOW PASS control may be now rotated clockwise to lower the high end of the spectrum until the sound is either measured or subjectively determined to approximate the desired result. (Refer to curve shown in Fig. A.) If no specification curves are to be met, final adjustments are made by use of some of the ⅓ octave filter sections.

To produce the desired spectrum, the ⅓ octave notch section controls should be rotated counter-clockwise. Additional high frequency attenuation may be achieved by rotating the HIGH CUT control counter-clockwise. The balance between lows, highs, and middle range can be judged by listening.

If there is a specification to be met which sets permissible sound levels in each ⅓ octave range, an analysis may be made using an audio frequency ⅓ octave spectrum analyzer. The noise measured (and heard) will be the total from all sources including air conditioning. The MG-1500 is then adjusted until the measured noise levels fall within the specified curve, assuming no unusual ambient noise condition.

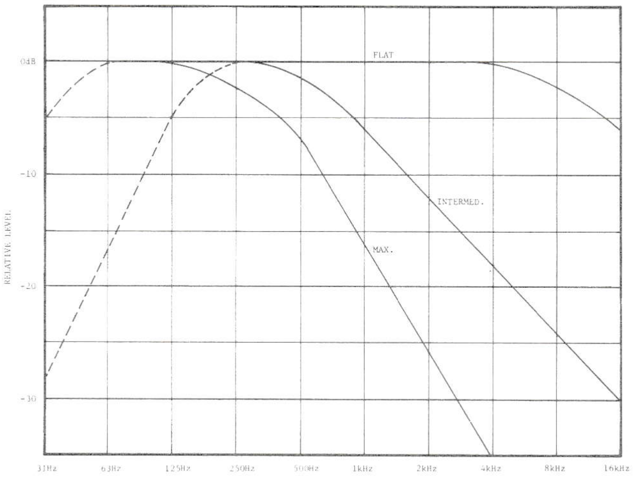


Fig. A

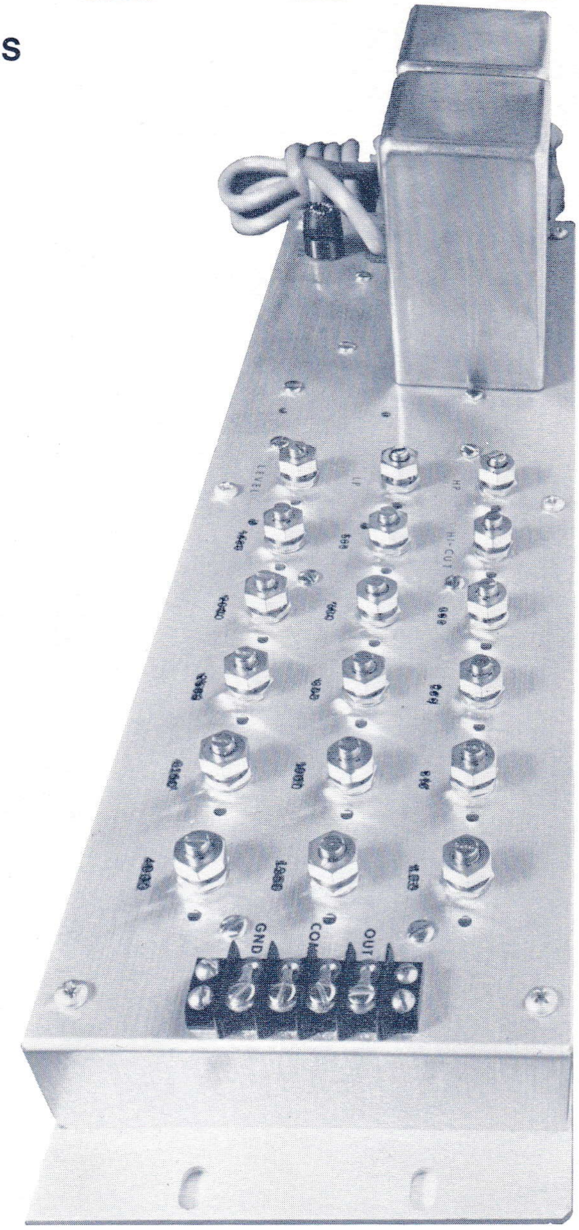
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking noise generator shall be Soundolier Model MG-1500 or approved equal. A digital noise source shall drive a set of selected filters to shape the response to a given design specification.

An adjustable active shaping filter shall provide rolloff settings from flat to 12 db per octave. The generator shall also have fourteen adjustable broadband active filters on ⅓ octave centers from 200 Hz to 4000 Hz. These filters shall be adjustable from +10db band pass gain to −10db band reject notch. The generator shall have an adjustable LOW CUT to allow selection of low frequency rolloff points of 30 to 150 Hz. It shall incorporate an adjustable HIGH CUT for additional attentuation above 5000 Hz. The output level shall be adjustable by means of an OUTPUT LEVEL CONTROL. The generator shall have an output capable of driving 600 ohms. All active circuitry shall be contained on a plug-in module.

The generator shall be mounted on a standard rack panel with dimensions of 19″ x 5¼″. The generator shall have a 3 conductor, 6 foot cord. All controls shall project to the rear and shall be secured by lock nuts. Terminal connections shall be accessible from the rear. The front panel shall be aluminum finish in a dark textured bronze baked enamel.

the soundolier MG-1500



A NEW QUALITY MASKING NOISE GENERATOR HAS ARRIVED. THE SOUNDOLIER MG 1500.

The MG 1500 includes all the features of its predecessor, plus additional features not available on some more expensive models. In fact, the MG 1500 is so complete, so versatile, it is the only masking noise generator we market.*

WHAT IS SO SPECIAL ABOUT THE MG1500?

PLENTY. THE MG 1500 INCORPORATES ACTIVE FILTERS.

- 14 adjustable broadband filters on ⅓ octave centers.
- Each active filter is adjustable from +10db band pass gain to −10db band reject notch.
- Variable HIGH-CUT filter from 5000 Hz.
- Plus a variable LOW-CUT adjustable from 30 Hz to 150 Hz with a rolloff to 12db/octave.

ALL THIS MEANS PRECISE SHAPING OF THE SPECIFIED SPECTRUM. AND, ALL ACTIVE CIRCUITRY IS CONTAINED ON A PLUG-IN MODULE FOR EASY FIELD SERVICING.

THE MG-1500

A HIGH QUALITY MASKING NOISE GENERATOR, COMPLETE AND SELF-CONTAINED.

DISTRIBUTOR PRICE **$485.00**

*The MG 1500 replaces the MG 1400, now discontinued

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FORWARD

Open office landscaping and mobile partitions are popular concepts with architects today. Large open areas permit the accomodation of many active persons without the expense and rigidity of multiple permanent partitions.

In order for the concept of open offices to work, conversational privacy must be maintained by masking undesirable sounds coming from adjacent areas. Acoustical engineers have solved this problem by converting electronic noise to a useful tool in masking extraneous sounds and thereby preserving the conversational intelligibility of the immediate environment. The same principle can be applied to existing structures where acoustic treatment has been minimal.

In order that masking with electronic background noise be successful, the sound level must be uniform throughout the area at listening level. The most efficient approach to this problem is to mount the speakers behind the ceiling tiles. As in all low level installations, a wide distribution of speaker/baffle packages is necessary to assure uniform transmission from the ceiling.

Since the most effective and desirable procedure is to mount these packages above the ceiling rather than in the conventional "exposed" manner, new designs were needed. Soundolier engineers have been working closely with many leading acoustical consultants to create designs that combine ease of installation with correct acoustical properties. Some of the resultant speaker packages are illustrated in this catalog.

All Soundolier packages are complete and ready to mount. They can be directed upward, downward, or at an angle. They vary in enclosure size, grille requirement, and speaker design. Some have diffusers as part of the unit.

The accompanying pages of Technical Bulletin AM 101 illustrate the polar patterns and the frequency response curves on the four loudspeakers used in our masking loudspeaker systems.

On Page 6 is shown a polar pattern of our S1 loudspeaker used in conjunction with our diffuser baffle. This illustrates the greater dispersion angle achieved when this diffuser is used.

Soundolier has brought together the expertise of leading acoustical consultants and its own wide experience and "know how" in manufacturing items for low level sound. This unique combination has made possible the production of masking noise packages that allow maximum flexibility along with high acoustical quality, designed for almost any type installation. If, however, unusual problems require special design consideration, Soundolier engineers will gladly provide any information needed.

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TECHNICAL BULLETIN

AM 101

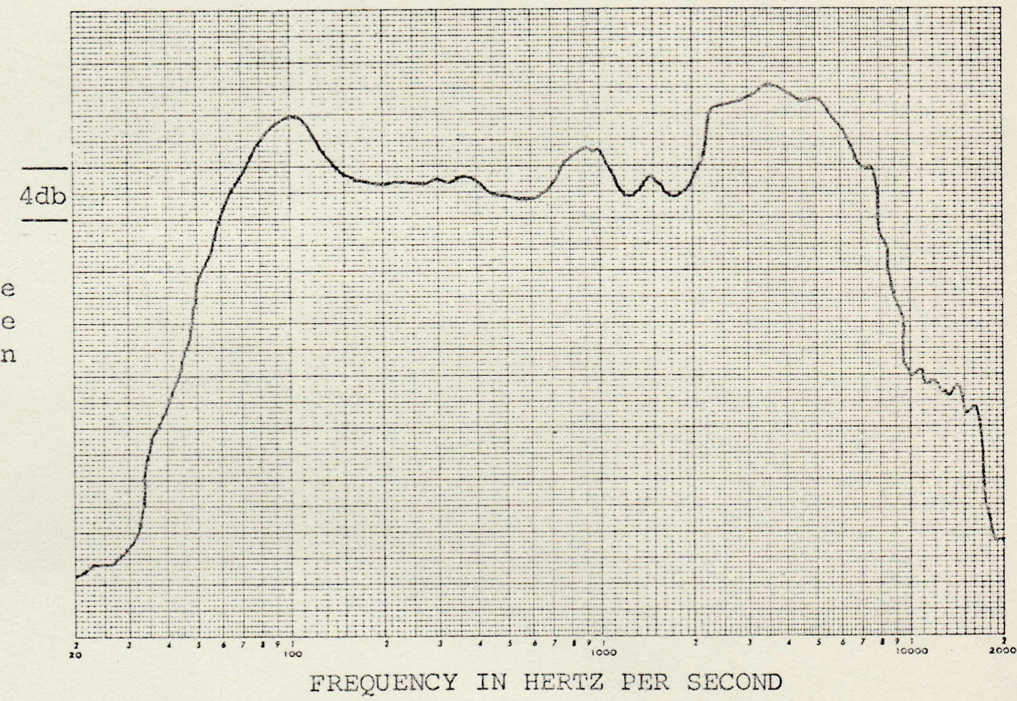
Speaker Model - S1

PAGE

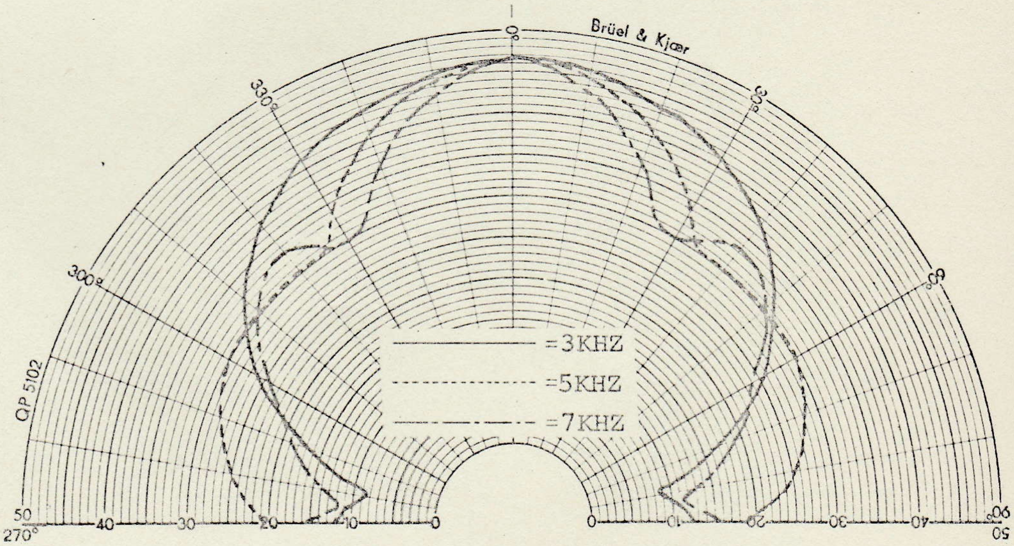
SPEAKER	
Speaker Size	8"
Frequency Response	See Chart
Magnet Weight	3.16oz.
Magnet Material	Alnico
Impedance	8 Ohm
Power Rating	10 Watts
Voice Coil Dia.	3/4"

Sensitivity	94db (4ft. with 1 watt input)
Resonance	99HZ
TRÄNSFORMER	
Power Taps	1/2,1,2 & 5 Watts
Core Size	5/8" X 5/8"
Sec. Impedance	8 Ohm

On axis frequency response of Model S1 speaker. Curve plotted with speaker in an infinite baffle.



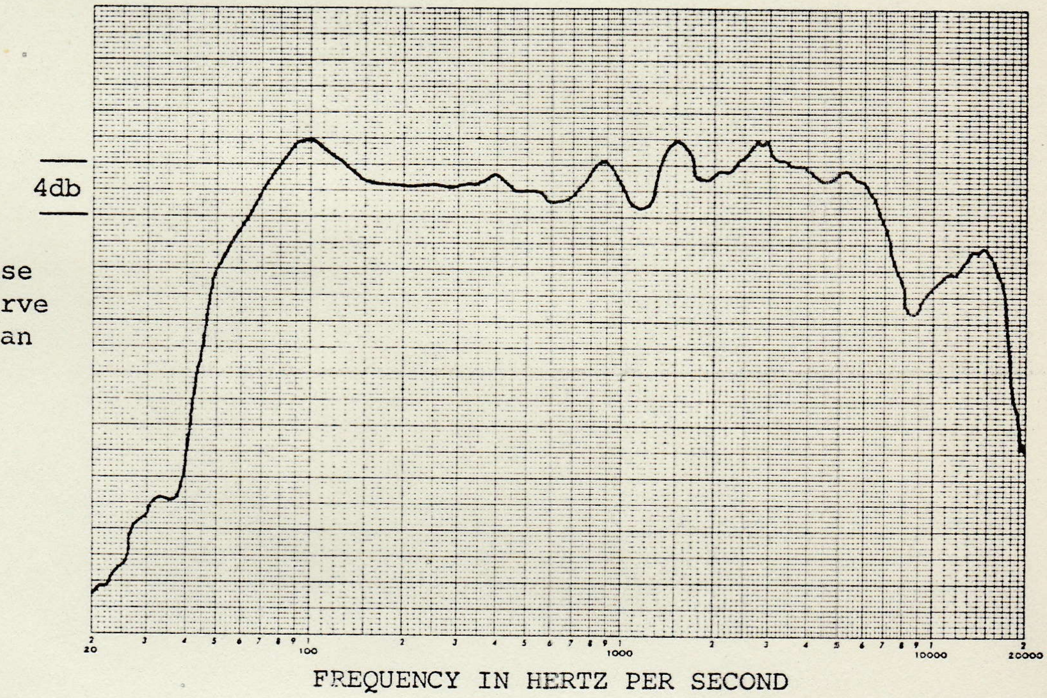
Polar response chart of Model S1 speaker. Polar response is plotted for frequencies of 3KHZ, 5KHZ and 7KHZ. Output set so on axis level is the same for all frequencies



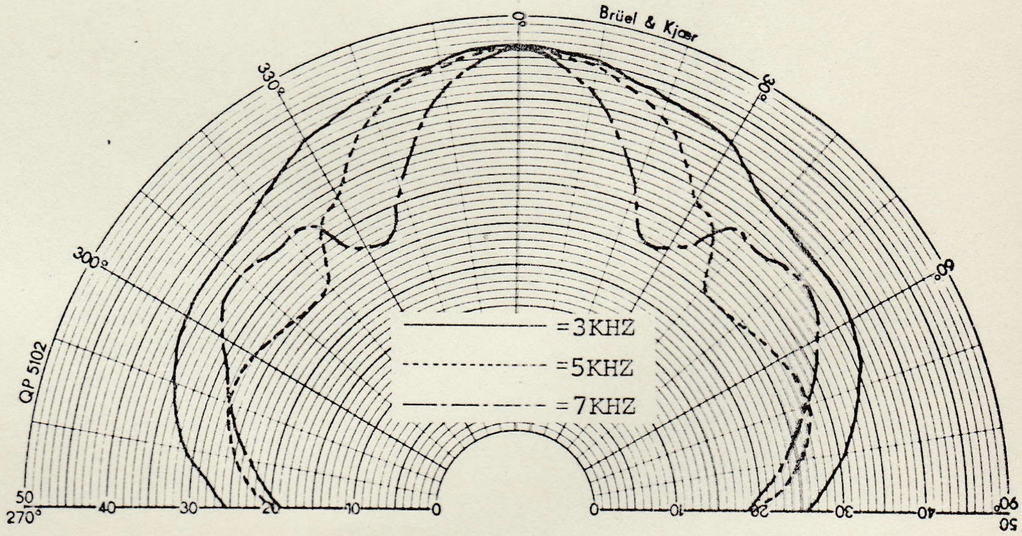
Speaker Model - S2

SPEAKER	
Speaker Size	8"
Frequency Response	See Chart
Magnet Weight	10oz.
Magnet Material	Ceramic
Impedance	8 Ohm
Power Rating	12 Watts
Voice Coil Dia.	1"

Sensitivity	96db (4ft. with 1 watt input)
Resonance	98HZ
TRANSFORMER	
Power Taps	1/2,1,2 & 5 Watts
Core Size	5/8" X 5/8"
Sec. Impedance	8 Ohm



On axis frequency response of Model S2 speaker. Curve plotted with speaker in an infinite baffle.



Polar response chart of Model S2 speaker. Polar response is plotted for frequencies of 3KHZ, 5KHZ and 7KHZ. Output set so on axis level is the same for all frequencies.

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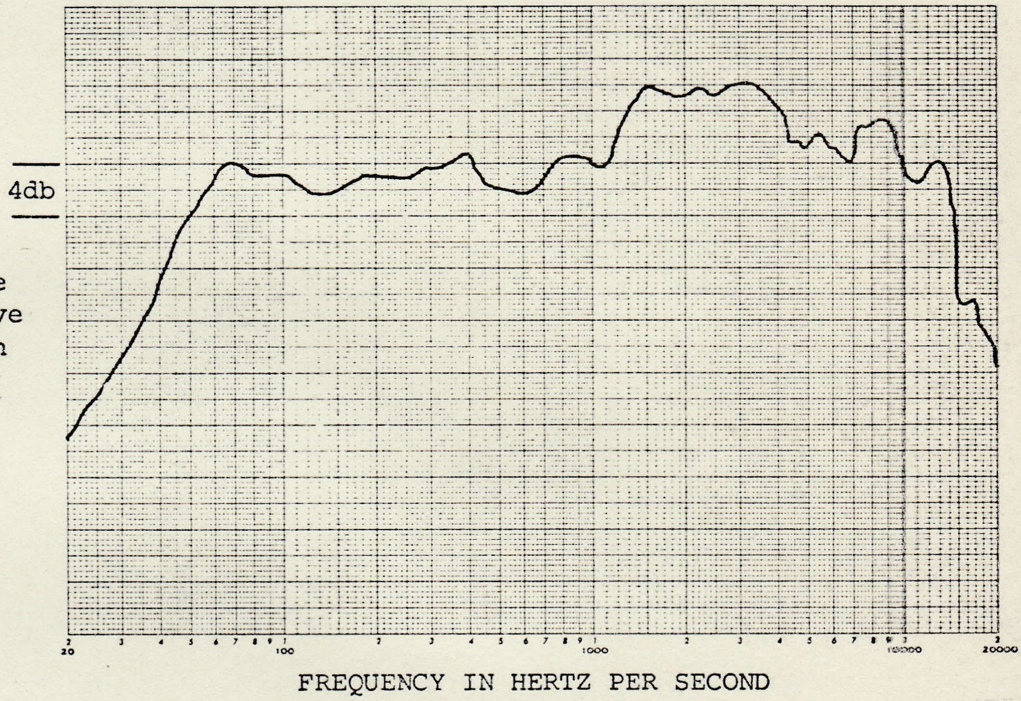
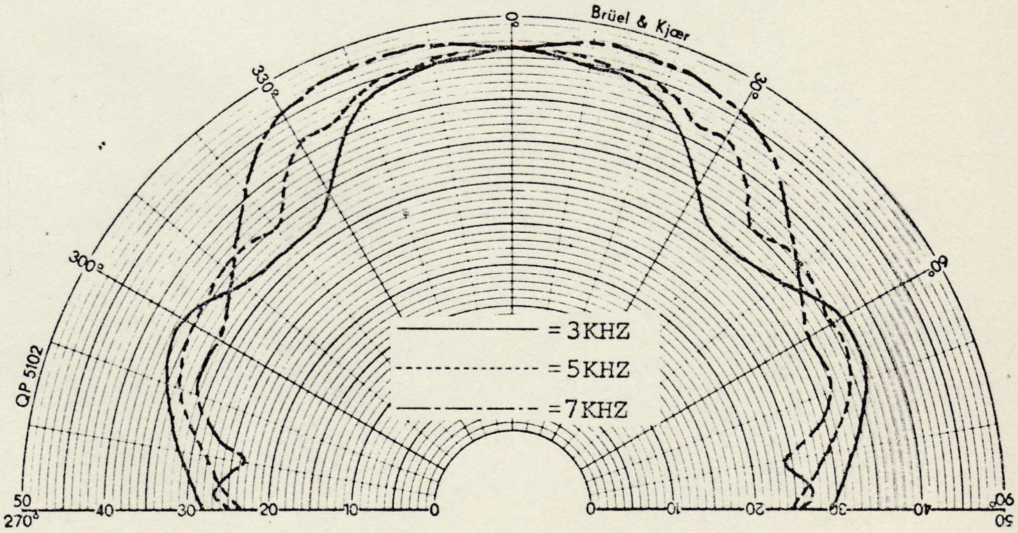
Speaker Model-S3

SPEAKER		
Speaker Size	LF Section	8"
	HF Section	3"
Frequency Response		See Chart
Magnet Weight	LF Section	10oz.
	HF Section	2.35oz.
Magnet Material		Ceramic
Impedance		8 Ohm
Power Rating		16 Watts

Voice Coil Dia.	LF Section	1"
	HF Section	3/4"
Sensitivity		96db
		(4ft. with 1 watt input)
Resonance		70HZ
TRANSFORMER		
Power Taps		1/2,1,2 & 5 Watts
Core Size		5/8" X 5/8"
Sec. Impedance		8 Ohm



On axis frequency response of Model S3 speaker. Curve plotted with speaker in an infinite baffle.



Polar response chart of Model S3 speaker. Polar response is plotted for frequencies of 3KHZ, 5KHZ and 7KHZ. Output set so on axis level is the same for all frequencies.

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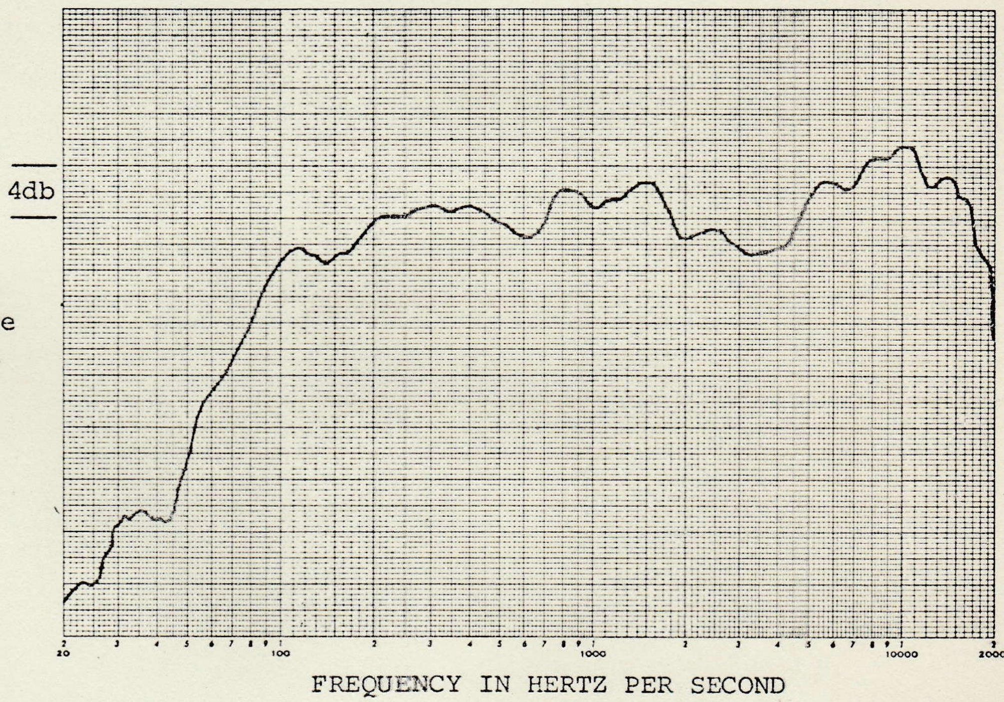
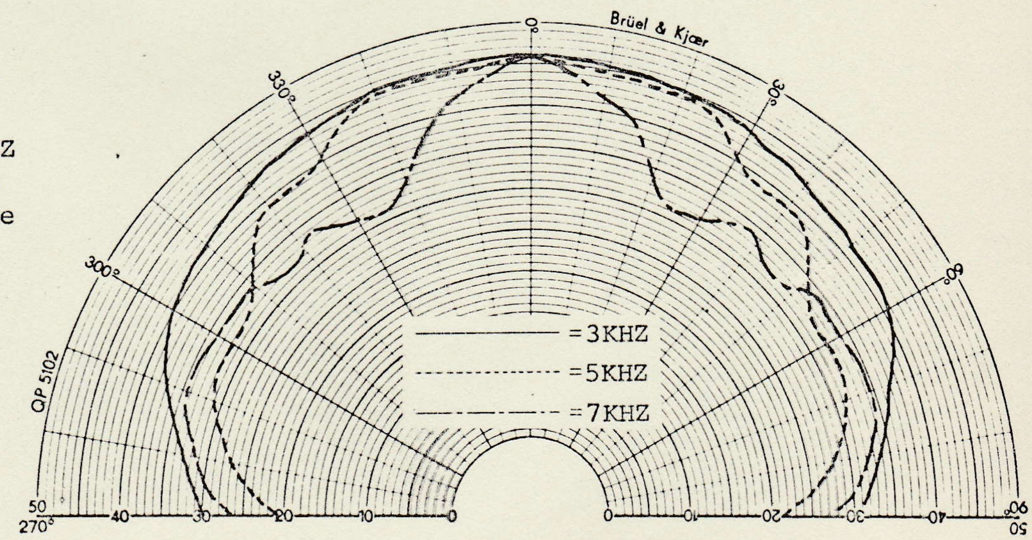
Speaker Model-S4

SPEAKER	
Speaker Size	4"
Frequency Response	See Chart
Magnet Weight	10oz.
Magnet Material	Ceramic
Impedance	8 Ohm
Power Rating	10 Watts Program
Voice Coil Dia.	3/4"

Sensitivity	93db (4ft. with 1 watt input)
Resonance	101HZ
TRANSFORMER	
Power Taps	1/2,1,2 & 5 Watts
Core Size	5/8" X 5/8"
Sec. Impedance	8 Ohm



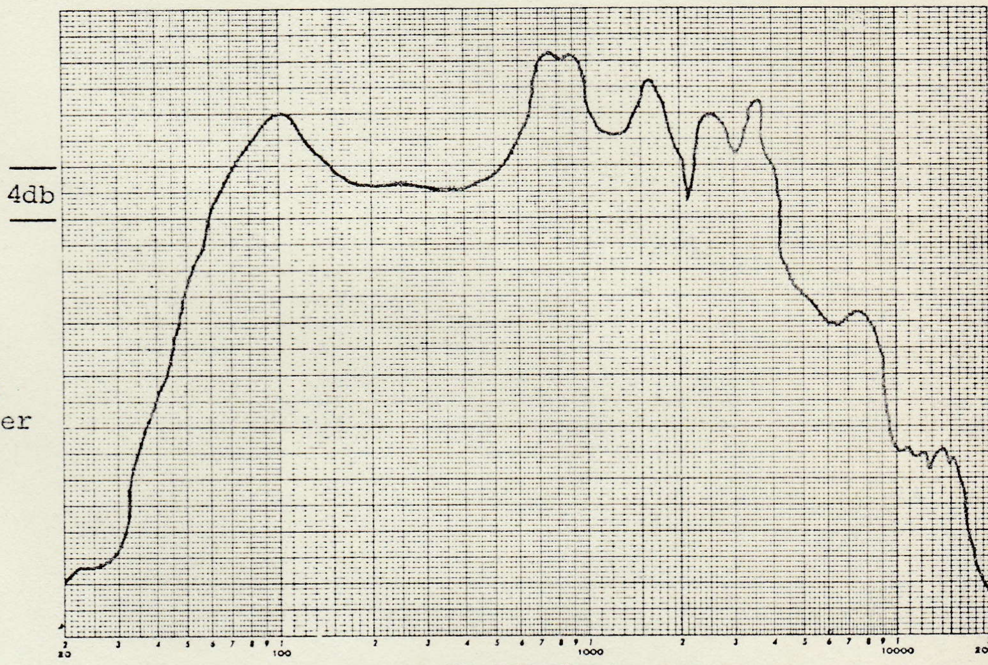
On axis frequency response of Model S4 speaker. Curve plotted with speaker in an infinite baffle.



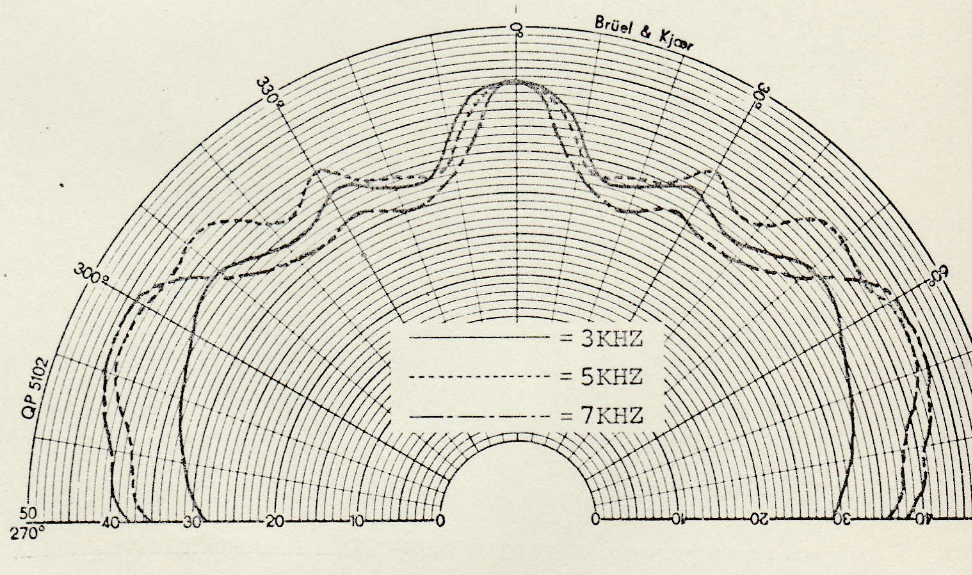
Polar response chart of Model S4 speaker. Polar response is plotted for frequencies of 3KHZ, 5KHZ and 7KHZ. Output set so on axis level is the same for all frequencies.

Diffuser Baffle Curves

The following frequency response curves and polar patterns were plotted using the S1 speaker, infinite baffle and with a diffuser placed 1" from the speaker mounting ring. These plots are typical and can be used to predict the response of other speakers in our line.



On axis frequency response of Model S1 speaker with a diffuser installed in front of the speaker. The diffuser is the same as used on the M81 Series.



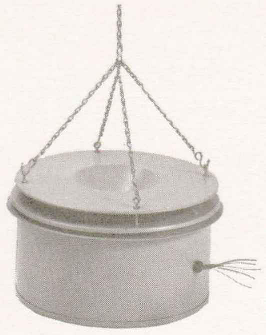
Polar response of Model S1 speaker with a diffuser installed in front of the speaker.

MASKING LOUDSPEAKER SYSTEMS

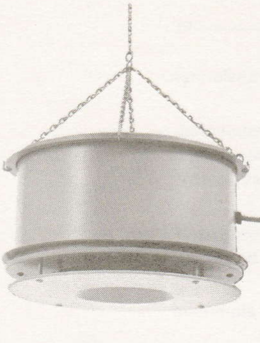
COMPLETELY ASSEMBLED AND WIRED

8" SPEAKER SERIES \ M81 M82 M83

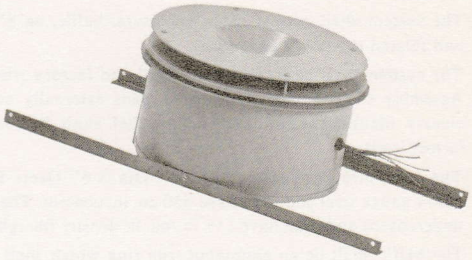
650 cu. in. ENCLOSURE



M81 Series



M82 Series



M83 Series

GENERAL DESCRIPTION

The Soundolier masking speaker systems shown are a completely assembled system—ready for installation.

The complete assembly consists of an enclosure, baffle, 8" loudspeaker and transformer, and all necessary hardware for suspension or T-Bar mounting. The assembly is completely wired.

This particular series utilizes an excellent diffuser type baffle which greatly increases the "spread" at the higher frequencies. See Technical Bulletin AM 101 for more data on this diffuser unit.

The 650 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

In order to offer flexibility, the system designer can choose from 3 quality 8" loudspeakers with either a 70 volt or 25 volt transformer installed and wired. To select the desired system and to determine your speaker choice, see Model Number Chart below. For more technical data on our speakers, see Technical Bulletin AM 101.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:

Baffle — 12½" O.D.
Enclosure — 11⅞" Dia. x 6" Deep
Cubic Content — 650 cu. in.

MOUNTING FEATURES

Radiating Upward

With the M81 series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to eyebolts located on the face of the baffle by means of "S" hooks.

With the M83 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

Radiating Downward

The M82 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to the rear mounting ring by attaching "S" hooks thru holes located in the perimeter of the ring.

Radiating at an Angle

On the M81 and M82 Series, which are suspension type units, the speaker assembly may be positioned to any desired angle by merely changing the suspension point on the chain harness.

All of the above suspension chain, "S" hooks, and support channels are supplied with the complete assembly.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M81-S1T7(T2)*	Upward	Chain Suspension	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M81-S2T7(T2)	Upward	Chain Suspension	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M81-S3T7(T2)	Upward	Chain Suspension	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt
M82-S1T7(T2)*	Downward	Chain Suspension	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M82-S2T7(T2)	Downward	Chain Suspension	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M82-S3T7(T2)	Downward	Chain Suspension	S3	8" Loudspeaker Coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt
M83-S1T7(T2)*	Upward	Channel Support on T-Bar	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M83-S2T7(T2)	Upward	Channel Support on T-Bar	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M83-S3T7(T2)	Upward	Channel Support on T-Bar	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt

*Note: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached

For more detailed loudspeaker specification, see Technical Bulletin AM 101.

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ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ______________ or approved equal.

The system shall consist of an enclosure, baffle, an 8" loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11 7/8" Dia. x 6" Deep. It shall be constructed of heavy gauge steel and shall have 650 cu. in. content. The enclosure shall be heavily undercoated and shall have 1 1/2 lb./cu. ft. density fiberglass installed.

The baffle shall be an aluminum trim ring which shall incorporate an aluminum diffuser measuring 12 1/2" O.D. to increase the spread at high frequencies.

For Speaker S1T7 (T2) — The loudspeaker-transformer shall be Soundolier Model S1T7 (S1T2) or approved equal. Loudspeaker shall be an 8" reproducer with a 3.16 oz. Alnico V magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired to the loudspeaker.

For Speaker S2T7 (T2) — The loudspeaker-transformer shall be Soundolier Model S2T7 (S2T2) or approved equal. Loudspeaker shall have a high frequency whizzer cone with a 10 oz. ceramic magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For Speaker S3T7 (T2) — The loudspeaker-transformer shall be Soundolier Model S3T7 (S3T2) or approved equal. The loudspeaker shall be a coaxial type. The low frequency speaker shall be 8" in diameter with a 10 oz. ceramic magnet. The high frequency speaker shall be 3" in diameter with a 2.35 oz. ceramic magnet.

For M81 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to eye-bolts provided on the face of the baffle.

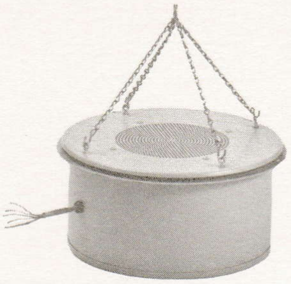
For M82 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to mounting ring located on rear of enclosure.

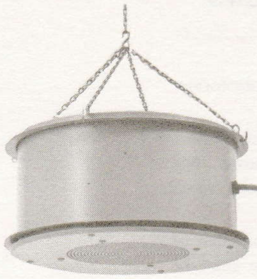
For M83 Series — The system shall include 2 — 23 3/4" support channels for use in mounting in a T-Bar supported ceiling.

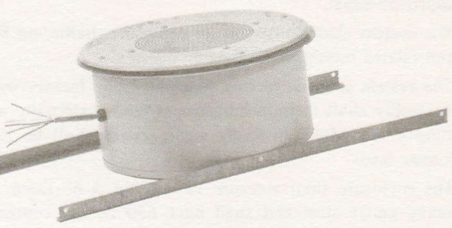
MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

8" Speaker
SERIES M84 M85 M86

650 cu. in.
ENCLOSURE


M84 Series


M85 Series


M86 Series

GENERAL DESCRIPTION

The Soundolier masking speaker systems shown are a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, 8" loudspeaker and transformer and all necessary hardware for suspension or T-Bar mounting. The assembly is completely wired.

The M84, M85, and M86 Series utilizes a conventional steel baffle which has a perforated speaker opening. In Series M84 and M86, additional speaker protection from dust and foreign material is provided by employing a gasket of reticulated polyurethane material having a 60% opening.

The 650 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

To provide flexibility, the system designer can choose from 3 quality 8" loudspeakers with either a 70 volt or 25 volt transformer installed and wired. To select the desired system and to determine your speaker choice, see **Model Number Chart** below. For more detailed data on our speakers see Technical Bulletin AM 101.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:

Baffle — 12¾" O.D.
Enclosure — 11⅞" Dia. x 6" Deep
Cubic Content — 650 cu. in.

MOUNTING FEATURES

Radiating Upward

With the M84 series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to eyebolts located on the face of the baffle by means of "S" hooks.

With the M86 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

Radiating Downward

The M85 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to the rear mounting ring by attaching "S" hooks thru holes located in the perimeter of the ring.

Radiating at an Angle

On the M84 and M85 Series, which are suspension type units, the speaker assembly may be positioned to any desired angle by merely changing the suspension point on the chain harness.

All of the above suspension chain, "S" hooks, and support channels are supplied with the complete assembly.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M84-S1T7(T2)*	Upward	Chain Suspension	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M84-S2T7(T2)	Upward	Chain Suspension	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M84-S3T7(T2)	Upward	Chain Suspension	S3	8" Loudspeaker Coaxial Type	10 oz. Ceramic	.5, 1, 2, 5 watt
M85-S1T7(T2)*	Downward	Chain Suspension	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M85-S2T7(T2)	Downward	Chain Suspension	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M85-S3T7(T2)	Downward	Chain Suspension	S3	8" Loudspeaker Coaxial Type	10 oz. Ceramic	.5, 1, 2, 5 watt
M86-S1T7(T2)*	Upward	Channel Support on T-Bar	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M86-S2T7(T2)	Upward	Channel Support on T-Bar	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M86-S3T7(T2)	Upward	Channel Support on T-Bar	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached

For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

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ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ________________ or approved equal.

The system shall consist of an enclosure, baffle, an 8" loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11 7/8" Dia. x 6" Deep. It shall be constructed of heavy gauge steel and shall have 650 cu. in. content. The enclosure shall be heavily undercoated and shall have 1 1/2 lb./cu. ft. density fiberglass installed.

The baffle shall be a sturdy steel one-piece grille measuring 12 3/4" diameter. Grille shall have a perforated speaker opening.

Series ______________________ shall have installed between the baffle plate and
(M84, M86)
loudspeaker, a cover gasket of reticulated polyurethane material having 60% opening. Gasket shall cover the entire face of the loudspeaker.

For Speaker S1T7(T2) — The loudspeaker-transformer shall be Soundolier Model S1T7 (S1T2) or approved equal. Loudspeaker shall be an 8" reproducer with a 3.16 oz. Alnico V magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired to the loudspeaker.

For Speaker S2T7(T2) — The loudspeaker-transformer shall be Soundolier Model S2T7 (S2T2) or approved equal. Loudspeaker shall have a high frequency whizzer cone with a 10 oz. ceramic magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For Speaker S3T7(T2) — The loudspeaker-transformer shall be Soundolier Model S3T7 (S3T2) or approved equal. The loudspeaker shall be a coaxial type. The low frequency speaker shall be 8" in diameter with a 10 oz. ceramic magnet. The high frequency speaker shall be 3" in diameter with a 2.35 oz. ceramic magnet.

For M84 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to eye-bolts provided on the face of the baffle.

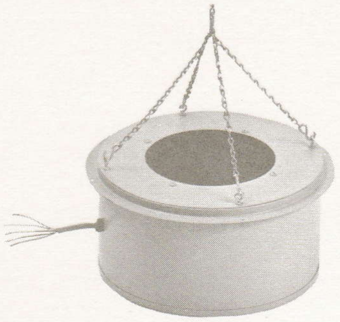
For M85 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to mounting ring located on rear of enclosure.

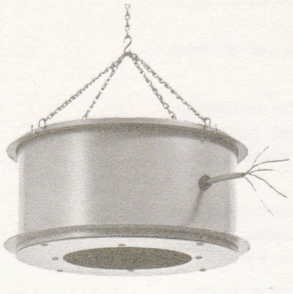
For M86 Series — The system shall include 2 — 23 3/4" support channels for use in mounting in a T-Bar supported ceiling.

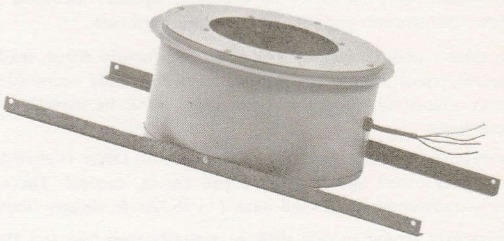
MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

8" Speaker
SERIES M87 M88 M89

650 cu. in. ENCLOSURE


M87 Series


M88 Series


M89 Series

GENERAL DESCRIPTION

The Soundolier masking speaker systems shown are a completely assembled system — ready for installation.

The complete assembly consists of a enclosure, 8" loudspeaker and transformer, a speaker mounting ring, and all necessary hardware for suspension or T-Bar mounting. The assembly is completely wired.

The unique speaker mounting ring allows the loudspeaker cone to be fully exposed.

The 650 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

To provide flexibility, the system designer can choose from 3 quality 8" loudspeakers with either a 70 volt or 25 volt transformer installed and wired. To select the desired system and to determine your speaker choice, see **Model Number Chart** below. For more detailed data on our speakers see Technical Bulletin AM 101.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:
Baffle — 12" O.D.
Enclosure — 11⅞" dia. x 6" Deep
Cubic Content — 650 cu. in.

MOUNTING FEATURES

Radiating Upward

With the M87 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to eye-bolts located on the face of the speaker mounting ring by means of "S" hooks.

With the M89 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

Radiating Downward

The M88 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to the rear mounting ring by attaching "S" hooks thru holes located in the perimeter of the ring.

Radiating at an Angle

On the M87 and M88 Series, which are suspension type units, the speaker assembly may be positioned to any desired angle by merely changing the suspension point on the chain harness.

All of the above suspension chain, "S" hooks, and support channels are supplied with the complete assembly.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M87-S1T7(T2)*	Upward	Chain Suspension	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M87-S2T7(T2)*	Upward	Chain Suspension	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M87-S3T7(t2)	Upward	Chain Suspension	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt
M88-S1T7(T2)*	Downward	Chain Suspension	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M88-S2T7(T2)*	Downward	Chain Suspension	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M88-S3T7(T2)*	Downward	Chain Suspension	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt
M89-S1T7(T2)*	Upward	Channel Supports on T-Bar	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M89-S2T7(T2)*	Upward	Channel Supports on T-Bar	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M89-S3T7(T2)*	Upward	Channel Supports on T-Bar	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached

For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

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ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ______________ or approved equal.

The system shall consist of an enclosure, speaker mounting ring, an 8" loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11 7/8" Dia. x 6" Deep. It shall be constructed of heavy gauge steel and shall have 650 cu. in. content. The enclosure shall be heavily undercoated and shall have 1 1/2 lb./cu. ft. density fiberglass installed.

The speaker mounting ring shall be a sturdy steel disc and shall have an opening fully exposing the speaker cone.

For Speaker S1T7(T2) — The loudspeaker-transformer shall be Soundolier Model S1T7 (S1T2) or approved equal. Loudspeaker shall be an 8" reproducer with a 3.16 oz. Alnico V magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired to the loudspeaker.

For Speaker S2T7(T2) — The loudspeaker-transformer shall be Soundolier Model S2T7 (S2T2) or approved equal. Loudspeaker shall have a high frequency whizzer cone with a 10 oz. ceramic magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For Speaker S3T7(T2) — The loudspeaker-transformer shall be Soundolier Model S3T7 (S3T2) or approved equal. The loudspeaker shall be a coaxial type. The low frequency speaker shall be 8" in diameter with a 10 oz. ceramic magnet. The high frequency speaker shall be 3" in diameter with a 2.35 oz. ceramic magnet.

For M87 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to eye-bolts provided on the face of the speaker mounting ring.

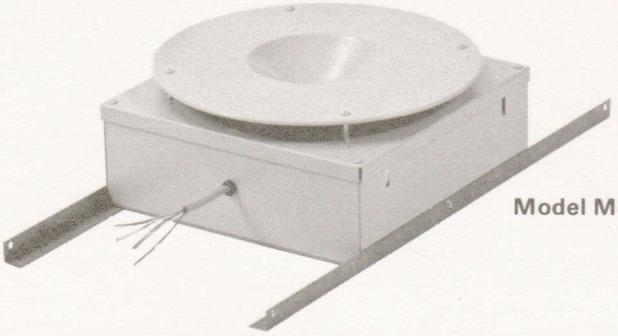
For M88 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to mounting ring located on rear of enclosure.

For M89 Series — The system shall include 2 — 23 3/4" support channels for use in mounting in a T-Bar supported ceiling.

MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

8" SPEAKER
SERIES \ M810

529 cu. in.
ENCLOSURE



Model M810

GENERAL DESCRIPTION

The Soundolier Model M810 masking speaker system is a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, 8" loudspeaker and transformer and all necessary hardware for installation in a T-Bar supported ceiling. The assembly is completely wired.

Model M810 utilizes an excellent diffuser type baffle which greatly increases the "spread" at the higher frequencies. For more detailed technical data on this diffuser baffle, see Technical Bulletin AM 101.

The 529 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

To provide flexibility, the system designer can choose from 3 quality 8" loudspeakers with either a 70 volt or 25 volt transformer mounted and wired. To select the desired system by determining your speaker choice, see **Model Number Chart** below. For more technical data on our speakers, see Technical Bulletin AM 101.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:
Baffle — 11-13/16" x 11-13/16"
Enclosure — 11⅝" x 11⅝" x 4" Deep
Cubic Content — 529 cu. in.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ______________ or approved equal.

The system shall consist of an enclosure, baffle, an 8" loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11⅝" x 11⅝" x 4" Deep. It shall be constructed of heavy gauge steel and shall have 529 cu. in. content. The enclosure shall be heavily undercoated and shall have 1½ lb./cu. ft. density fiberglass installed.

The baffle shall be a steel mounting plate which shall incorporate an aluminum diffuser measuring 12½" O.D. to increase the spread at higher frequencies.

For Speaker S1T7 (T2) — The loudspeaker-transformer shall be Soundolier Model S1T7 (S1T2) or approved equal. Loudspeaker shall be an 8" reproducer with a 3.16 oz. Alnico V magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired to the loudspeaker.

For Speaker S2T7 (T2) — The loudspeaker-transformer shall be Soundolier Model S2T7 (S2T2) or approved equal. Loudspeaker shall have a high frequency whizzer cone with a 10 oz. ceramic magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For Speaker S3T7 (T2) — The loudspeaker-transformer shall be Soundolier Model S3T7 (S3T2) or approved equal. The loudspeaker shall be a coaxial type. The low frequency speaker shall be 8" in diameter with a 10 oz. ceramic magnet. The high frequency speaker shall be 3" in diameter with a 2.35 oz. ceramic magnet.

The system shall include 2 — 23¾" support channels for use in mounting in a T-Bar supported ceiling.

MOUNTING FEATURES

Radiating Upward

With the M810 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M810-S1T7(T2)*	Upward	Channel Support on T-Bar	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M810-S2T7(T2)*	Upward	Channel Support on T-Bar	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M810-S3T7(T2)*	Upward	Channel Support on T-Bar	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt

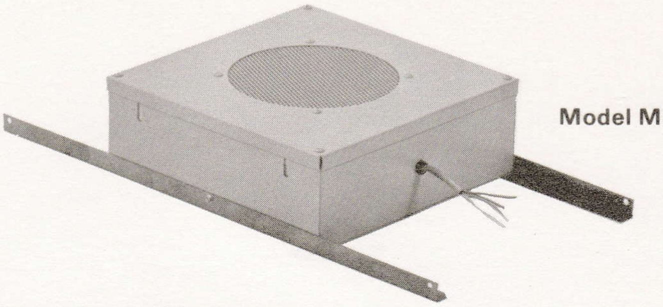
*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached

For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

8" SPEAKER
SERIES \ M811

529 cu. in.
ENCLOSURE



Model M811

GENERAL DESCRIPTION

The Soundolier Model M811 masking speaker system is a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, 8" loudspeaker and transformer and all necessary hardware for installation in a T-Bar supported ceiling. The assembly is completely wired.

Model M811 utilizes a conventional steel baffle which has a perforated speaker opening. Additional speaker protection from dust and foreign material is provided by employing a gasket of reticulated polyurethane material having a 60% opening factor.

The 529 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

To provide flexibility, the system designer can choose from 3 quality 8" loudspeakers with either a 70 volt or 25 volt transformer mounted and wired. To select the desired system by determining your speaker choice, see **Model Number Chart** below. For more technical data on our speakers, see Technical Bulletin AM 101.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:
Baffle — 11 13/16" x 11 13/16"
Enclosure — 11 5/8" x 11 5/8" x 4" Deep
Cubic Content — 529 cu. in.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ________________ or approved equal.

The system shall consist of an enclosure, baffle, an 8" loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11 5/8" x 11 5/8" x 4" Deep. It shall be constructed of heavy gauge steel and shall have 529 cu. in. content. The enclosure shall be heavily undercoated and shall have 1½ lb./cu. ft. density fiberglass installed.

The baffle shall measure 11 13/16" x 11 13/16" and shall be constructed of heavy gauge steel. A speaker opening covered by perforated metal shall be provided in the baffle.

A cover gasket of reticulated polyurethane material shall be installed between the baffle plate and the loudspeaker. Gasket material shall have 60% opening and shall cover the entire face of the loudspeaker.

For Speaker S1T7(T2) — The loudspeaker-transformer shall be Soundolier Model S1T7 (S1T2) or approved equal. Loudspeaker shall be an 8" reproducer with a 3.16 oz. Alnico V magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired to the loudspeaker.

For Speaker S2T7(T2) — The loudspeaker-transformer shall be Soundolier Model S2T7 (S2T2) or approved equal. Loudspeaker shall have a high frequency whizzer cone with a 10 oz. ceramic magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For Speaker S3T7(T2) — The loudspeaker-transformer shall be Soundolier Model S3T7 (S3T2) or approved equal. The loudspeaker shall be a coaxial type. The low frequency speaker shall be 8" in diameter with a 10 oz. ceramic magnet. The high frequency speaker shall be 3" in diameter with a 2.35 oz. ceramic magnet.

The system shall include 2 — 23¾" support channels for use in mounting in a T-Bar supported ceiling.

MOUNTING FEATURES

Radiating Upward

With the M811 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M811-S1T7(T2)*	Upward	Channel Supports on T-Bar	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M811-S2T7(T2)*	Upward	Channel Support on T-Bar	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M811-S3T7(T2)*	Upward	Channel Support on T-Bar	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached
For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

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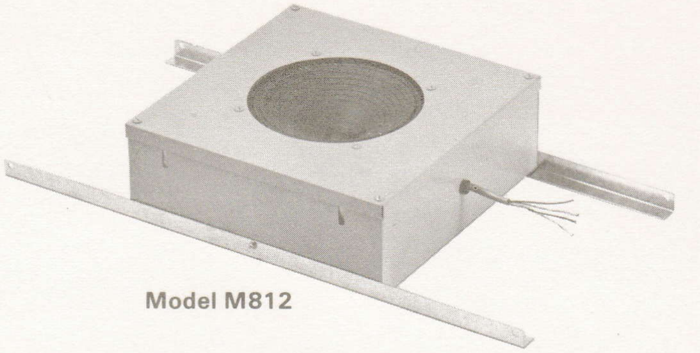
MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

8" SPEAKER
SERIES \ M812

**529 cu. in.
ENCLOSURE**



Model M812

GENERAL DESCRIPTION

The Soundolier Model M812 masking speaker system is a completely assembled system—ready for installation.

The complete assembly consists of an enclosure, 8" loudspeaker and transformer, a speaker mounting plate, and all necessary hardware for installation in a T-Bar supported ceiling. The assembly is completely wired.

The unique speaker mounting plate allows the loudspeaker cone to be fully exposed.

The 529 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control unwanted resonances in the high end of the frequency spectrum.

In order to provide flexibility, the system designer can choose from 3 quality 8" loudspeakers with either a 70 volt or 25 volt transformer mounted and wired. To select the desired system by determining your speaker choice, see **Model Number Chart** below. For more detailed data on our speakers, see Technical Bulletin AM 101.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:
Baffle — 11-13/16" x 11-13/16"
Enclosure — 11⅝" x 11⅝" x 4" Deep
Cubic Content — 529 cu. in.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ______________ or approved equal.

The system shall consist of an enclosure, speaker mounting plate, an 8" loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11⅝" x 11⅝" x 4" Deep. It shall be constructed of heavy gauge steel and shall have 529 cu. in. content. The enclosure shall be heavily undercoated and shall have 1½ lb./cu. ft. density fiberglass installed.

The speaker mounting plate shall measure 11 13/16" x 11 13/16". Plate shall have an opening fully exposing the speaker cone.

For Speaker S1T7(T2) — The loudspeaker-transformer shall be Soundolier Model S1T7 (S1T2) or approved equal. Loudspeaker shall be an 8" reproducer with a 3.16 oz. Alnico V magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired to the loudspeaker.

For Speaker S2T7(T2) — The loudspeaker-transformer shall be Soundolier Model S2T7 (S2T2) or approved equal. Loudspeaker shall have a high frequency whizzer cone with a 10 oz. ceramic magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For Speaker S3T7(T2) — The loudspeaker-transformer shall be Soundolier Model S3T7 (S3T2) or approved equal. The loudspeaker shall be a coaxial type. The low frequency speaker shall be 8" in diameter with a 10 oz. ceramic magnet. The high frequency speaker shall be 3" in diameter with a 2.35 oz. ceramic magnet.

The system shall include 2 — 23¾" support channels for use in mounting in a T-Bar supported ceiling.

MOUNTING FEATURES

Radiating Upward

With the M812 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M812-S1T7(T2)*	Upward	Channel Supports on T-Bar	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M812-S2T7(T2)*	Upward	Channel Supports on T-Bar	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M812-S3T7(T2)*	Upward	Channel Supports on T-Bar	S3	8" Loudspeaker Coaxial Type	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached

For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

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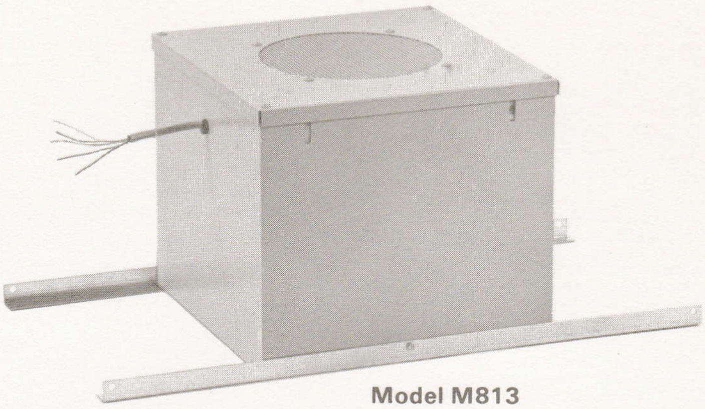
MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

8 SPEAKER
SERIES \ M813

1322 cu. in.
ENCLOSURE



Model M813

GENERAL DESCRIPTION

The Soundolier Model M813 masking speaker system is a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, 8" loudspeaker and transformer and all necessary hardware for installation in a T-Bar supported ceiling. The assembly is completely wired.

Model M813 utilizes a conventional steel baffle which has a perforated speaker opening. Additional speaker protection from dust and foreign material is provided by employing a gasket of reticulated polyurethane material having a 60% opening.

The 1322 cu. in. enclosure is constructed to heavy gauge steel and heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

To provide flexibility, the system designer can choose from 3 quality 8" loudspeakers with either a 70 volt or 25 volt transformer mounted and wired. To select the desired system by determining your speaker choice, see **Model Number Chart** below. For more technical data on our speakers, see Technical Bulletin AM 101.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:

Baffle — 11-13/16" x 11-13/16"
Enclosure — 11⅝" x 11⅝" x 10" Deep
Cubic Content — 1322 cu. in.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ____________ or approved equal.

The system shall consist of an enclosure, baffle, and 8" loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11⅝" x 11⅝" x 10" Deep. It shall be constructed of heavy gauge steel and shall have 1322 cu. in. content. The enclosure shall be heavily undercoated and shall have 1½ lb./cu. ft. density fiberglass installed.

The baffle shall measure 11-i3/16" x 11-13/16" and shall be constructed of heavy gauge steel. A speaker opening covered by perforated metal shall be provided.

A cover gasket of reticulated polyurethane material shall be installed between the baffle plate and the loudspeaker. Gasket material shall have 60% opening and shall cover the entire face of the loudspeaker.

For Speaker S1T7(T2) — The loudspeaker-transformer shall be Soundolier Model S1T7 (S1T2) or approved equal. Loudspeaker shall be an 8" reproducer with a 3.16 oz. Alnico V magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired to the loudspeaker.

For Speaker S2T7(T2) — The loudspeaker-transformer shall be Soundolier Model S2T7 (S2T2) or approved equal. Loudspeaker shall have a high frequency whizzer cone with a 10 oz. ceramic magnet. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For Speaker S3T7(T2) — The loudspeaker-transformer shall be Soundolier Model S3T7 (S3T2) or approved equal. The loudspeaker shall be a coaxial type. The low frequency speaker shall be 8" in diameter with a 10 oz. ceramic magnet. The high frequency speaker shall be 3" in diameter with a 2.35 oz. ceramic magnet.

The system shall include 2 — 23¾" support channels for use in mounting in a T-Bar supported ceiling.

MOUNTING FEATURES

Radiating Upward

With the M813 Series, which is designed for mounting on T-Bar, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M813-S1T7(T2)*	Upward	Channel Supports on T-Bar	S1	Standard 8" Loudspeaker	3.16 oz. Alnico V	.5, 1, 2, 5 watt
M813-S2T7(T2)*	Upward	Channel Support on T-Bar	S2	8" Loudspeaker with whizzer cone	10 oz. Ceramic	.5, 1, 2, 5 watt
M813-S3T7(T2)*	Upward	Channel Support on T-Bar	S3	8" Loudspeaker coaxial type	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached

For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

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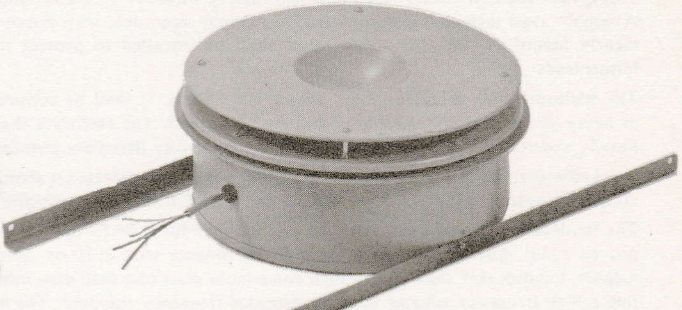
MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

4" SPEAKER SERIES
M41
M42
M43

460 cu. in. ENCLOSURE

M41 Series

M42 Series


M43 Series

GENERAL DESCRIPTION

The Soundolier masking speaker systems are a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, a wide range, wide dispersion 4" high compliance loudspeaker and transformer and all necessary hardware for suspension or T-Bar mounting. The assembly is completely wired.

This series utilizes an excellent diffuser type baffle which greatly increases the "spread" at the higher frequencies. For more detailed technical data on this diffuser baffle, see Technical Bulletin AM 101.

The 460 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

The loudspeaker, Model S4, is available with either a 70 volt or 25 volt transformer mounted and wired. Technical Bulletin AM 101 lists more technical data on this quality speaker.

To select the desired system, see **Model Number Chart** below.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:
Baffle — 12½" O.D.
Enclosure — 11⅞" Dia. x 4¼" Deep
Cubic Content — 460 cu. in.

MOUNTING FEATURES

Radiating Upward
With the M41 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to eye-bolts located on the face of the baffle, by means of "S" hooks.

With the M43 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

Radiating Downward
The M42 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to the rear mounting ring by attaching "S" hooks thru holes located in the perimeter of the ring.

Radiating at an Angle
On the M41 and M42 Series, which are suspension type units, the speaker assembly may be positioned to any desired angle by merely changing the suspension point on the chain harness.

All of the above suspension chain, "S" hooks, and support channels are supplied with the complete assembly.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M41-S4T7(T2)*	Upward	Chain Suspension	S4	High Compliance 4" Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt
M42-S4T7(T2)*	Downward	Chain Suspension	S4	High Compliance 4" Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt
M43-S4T7(T2)*	Upward	Channel Support on T-Bar	S4	High Compliance 4" Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached
For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model________________ or approved equal.

The system shall consist of an enclosure, baffle, a 4" high compliance loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11⅞" Dia. x 4¼" Deep. It shall be constructed of heavy gauge steel and shall have 460 cu. in. content. The enclosure shall be heavily undercoated and shall have 1½ lb./cu. ft. density fiberglass installed.

The baffle shall be an aluminum trim ring which shall incorporate an aluminum diffuser measuring 12½" O.D. to increase the spread at higher frequencies.

The loudspeaker-transformer shall be Soundolier Model S4T7 (S4T2) or approved equal. Loudspeaker shall be a 4" reproducer with a 10 oz. ceramic magnet. Loudspeaker shall have a high compliance cone and shall also incorporate a high frequency whizzer cone for extended frequency response. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted.

For M41 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to eye-bolts provided on the face of the baffle.

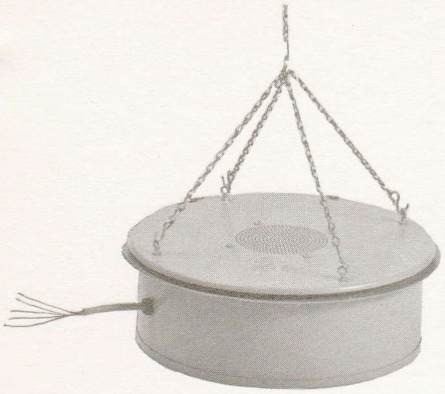
For M42 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to mounting ring located on rear of enclosure.

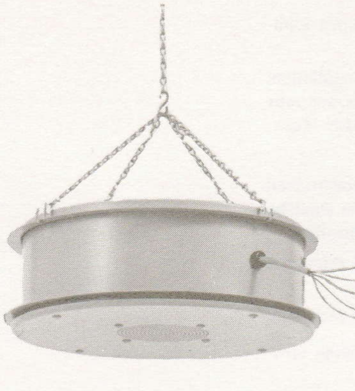
For M43 Series — The system shall include 2–23¾" support channels for use in mounting in a T-Bar supported ceiling.

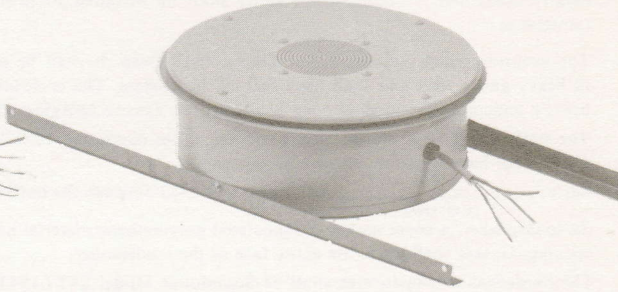
MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

4" SPEAKER SERIES M44 M45 M46

460 cu. in. ENCLOSURE


M44 Series


M45 Series


M46 Series

GENERAL DESCRIPTION

The Soundolier masking speaker systems are a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, a wide range, wide dispersion 4" high compliance loudspeaker and transformer and all necessary hardware for suspension or T-Bar mounting. The assembly is completely wired.

The M44, M45, and M46 Series utilizes a conventional steel baffle which has a perforated speaker opening. On Series M44 and M46, addititional protection from dust and foreign material is provided by employing a gasket of reticulated polyurethane material having a 60% opening.

The 460 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

The loudspeaker, Model S4, is available with either a 70 volt or 25 volt transformer mounted and wired. Technical Bulletin AM 101 lists more technical data on this quality speaker.

To select the desired system, see Model Number Chart below.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:

Baffle — 12¾" O.D.
Enclosure — 11⅞" Dia. x 4¼" Deep.
Cubic Content — 460 cu. in.

MOUNTING FEATURES

Radiating Upward

With the M44 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to eye-bolts located on the face of the baffle, by means of "S" hooks.

With the M46 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

Radiating Downward

The M45 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to the rear mounting ring by attaching "S" hooks thru holes located in the perimeter of the ring.

Radiating at an Angle

On the M44 and M45 Series, which are suspension type units, the speaker assembly may be positioned to any desired angle by merely changing the suspension point on the chain harness.

All of the above suspension chain, "S" hooks and support channels are supplied with the complete assembly.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M44-S4T7(T2)*	Upward	Chain Suspension	S4	High Compliance 4" Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt
M45-S4T7(T2)*	Downward	Chain Suspension	S4	High Compliance 4" Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt
M46-S4T7(T2)*	Upward	Channel Support on T-Bar	S4	High Compliance 4" Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached
For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

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ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model _______________ or approved equal.

The system shall consist of an enclosure, baffle, a 4" high compliance loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11 7/8" Dia. x 4 1/4" Deep. It shall be constructed of heavy gauge steel and shall have 460 cu. in. content. The enclosure shall be heavily undercoated and shall have 1 1/2 lb./cu. ft. density fiberglass installed.

The baffle shall be a sturdy steel one-piece grille measuring 12 3/4" diameter. Grille shall have a perforated speaker opening.

Series ______________________ shall have installed between the baffle plate and
(M44, M46)
the loudspeaker, a cover gasket of reticulated polyurethane material having 60% opening. Gasket shall cover the entire face of the loudspeaker.

The loudspeaker-transformer shall be Soundolier Model S4T7 (S4T2) or approved equal. Loudspeaker shall be a 4" reproducer with a 10 oz. ceramic magnet. Loudspeaker shall have a high compliance cone and shall also incorporate a high frequency whizzer cone for extended frequency response. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For M44 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to eye-bolts provided on the face of the baffle.

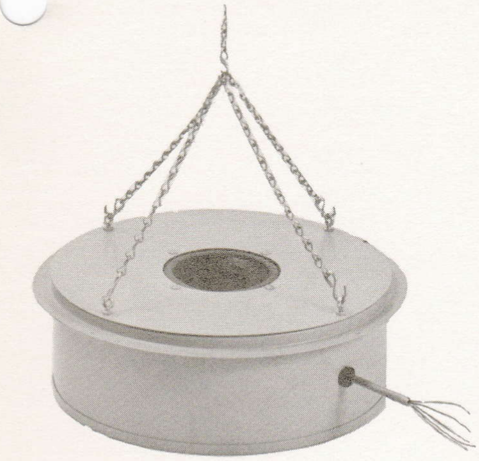
For M45 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to mounting ring located on rear of enclosure.

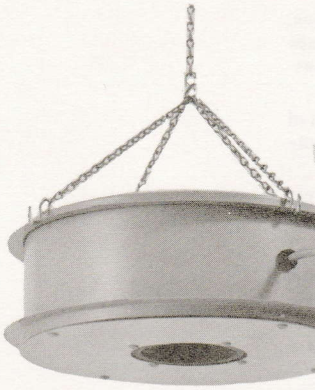
For M46 Series — The system shall include 2 — 23 3/4" support channels for use in mounting in a T-Bar supported ceiling.

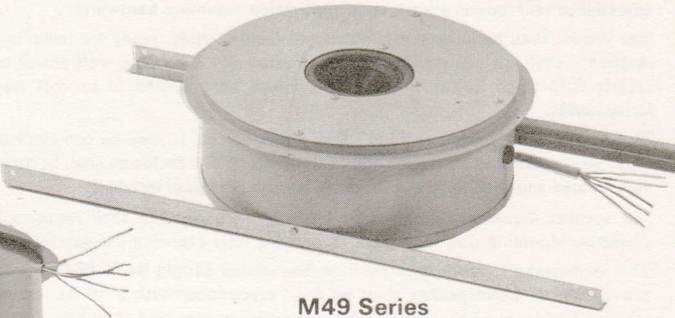
MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

4″ SPEAKER SERIES M47 M48 M49

460 cu. in. ENCLOSURE


M47 Series


M48 Series


M49 Series

GENERAL DESCRIPTION

The Soundolier masking speaker systems are a completely assembled system—ready for installation.

The complete assembly consists of an enclosure, a wide range, wide dispersion 4" high compliance loudspeaker and transformer, a speaker mounting ring and all necessary hardware for suspension or T-Bar mounting. The assembly is completely wired.

The unique speaker mounting ring allows the loudspeaker cone to be fully exposed.

The 460 cu. in. enclosure is constructed of heavy guage steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control unwanted resonance in the high end of the frequency spectrum.

The loudspeaker, Model S4 is available with either a 70 volt or 25 volt transformer mounted and wired. For more technical data on this quality loudspeaker, consult Technical Bulletin AM 101.

To select the desired system, see **Model Number Chart** below.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:
Baffle — 12" O.D.
Enclosure — 11⅞" Dia. x 4¼" Deep
Cubic Content -- 460 cu. in.

MOUNTING FEATURES

Radiating Upward

With the M47 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to eye-bolts located on the face of the speaker mounting ring.

With the M49 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

Radiating Downward

The M48 Series, which is designed for suspension mounting, a 4 foot suspension chain harness is affixed to the rear mounting ring by attaching "S" hooks thru holes located in the perimeter of the ring.

Radiating at an Angle

On the M47 and M48 Series, which are suspension type units, the speaker assembly may be positioned to any desired angle by merely changing the suspension point on the chain harness.

All of the above suspension chain, "S" hooks and support channels are supplied with the complete assembly.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M47-S4T7(T2)*	Upward	Chain Suspension	S4	High Compliance 4″ Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt
M48-S4T7(T2)*	Downward	Chain Suspension	S4	High Compliance 4″ Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt
M49-S4T7(T2)*	Upward	Channel Support on T-Bar	S4	High Compliance 4″ Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached
For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ______________ or approved equal.

The system shall consist of an enclosure, speaker mounting ring, a 4" high compliance loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11 7/8" Dia. x 4 1/4" Deep. It shall be constructed of heavy gauge steel and shall have 460 cu. in. content. The enclosure shall be heavily undercoated and shall have 1 1/2 lb./cu. ft. density fiberglass installed.

The speaker mounting ring shall be a sturdy steel disc and shall measure 12" diameter. Mounting ring shall have an opening fully exposing the speaker cone.

The loudspeaker-transformer shall be Soundolier Model S4T7 (S4T2) or approved equal. Loudspeaker shall be a 4" reproducer with a 10 oz. ceramic magnet. Loudspeaker shall have a high compliance cone and shall also incorporate a high frequency whizzer cone for extended frequency response. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

For M47 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to eye-bolts provided on the face of the speaker mounting ring.

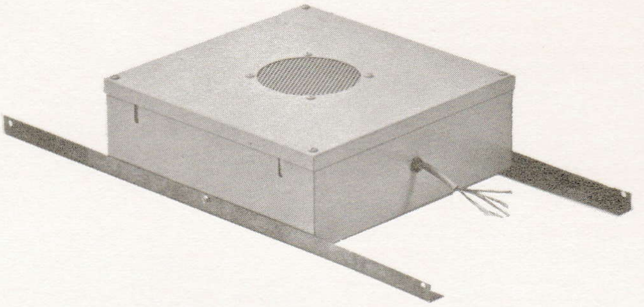
For M48 Series — The system shall include a 4 foot suspension chain harness which fastens by means of "S" hooks (supplied) to mounting ring located on rear of enclosure.

For M49 Series — The system shall include 2 — 23 3/4" support channels for use in mounting in a T-Bar supported ceiling.

MASKING LOUDSPEAKER SYSTEMS
COMPLETELY ASSEMBLED AND WIRED

4" SPEAKER
SERIES \ M411

529 cu. in.
ENCLOSURE



Model M411

GENERAL DESCRIPTION

The Soundolier Model M411 masking speaker system is a completely assembled system — ready for installation.

The complete assembly consists of an enclosure, baffle, a wide range, wide dispersion 4" high compliance speaker and transformer and all necessary hardware for installation in a T-Bar supported ceiling. The assembly is completely wired.

Model M411 utilizes a conventional steel baffle which has a perforated speaker opening. Additional speaker protection from dust and foreign materials is provided by employing a gasket of reticulated polyurethane material having a 60% opening.

The 529 cu. in. enclosure is constructed of heavy gauge steel and is heavily undercoated to eliminate metallic resonance. Fiberglass of 1½ lb./cu. ft. density is also installed to control un-wanted resonances in the high end of the frequency spectrum.

The loudspeaker, Model S4, is available with either a 70 volt or 25 volt transformer mounted and wired. Technical Bulletin AM 101 lists more technical data on this quality speaker.

To select the desired system, see **Model Number Chart** below.

The transformer power taps are externally accessible and are clearly marked to facilitate power selection without dismantling the assembly.

Dimensions:
Baffle — 11-13/16" x 11-13/16"
Enclosure — 11⅝" x 11⅝" x 4" Deep
Cubic Content — 529 cu. in.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The masking speaker system shall be Soundolier Model ______________ or approved equal.

The system shall consist of an enclosure, baffle, a 4" high compliance loudspeaker-transformer and related mounting hardware.

The system shall be factory assembled and factory wired, ready for installation. Assembly shall include transformer leads externally accessible with power taps clearly identified. Suitable strain relief shall be installed to protect transformer leads.

The enclosure shall measure 11⅝" x 11⅝" x 4" Deep. It shall be constructed of heavy gauge steel and shall have 529 cu. in. content. The enclosure shall be heavily undercoated and shall have 1½ lb./cu. ft. density fiberglass installed.

The baffle shall measure 11-13/16" x 11-13/16" and shall be constructed of heavy gauge steel. A speaker opening covered by perforated metal shall be provided in the baffle.

A cover gasket of reticulated polyurethane material shall be factory installed between the baffle plate and the loudspeaker. Gasket material shall have 60% opening and shall cover the entire face of the loudspeaker.

The loudspeaker-transformer shall be Soundolier Model S4T7 (S4T2) or approved equal. Loudspeaker shall be a 4" reproducer with a 10 oz. ceramic magnet. Loudspeaker shall have a high compliance cone and shall also incorporate a high frequency whizzer cone for extended frequency response. The transformer shall be rated at 5 watts and shall have power taps at .5, 1, 2, and 5 watts. Transformer shall be factory mounted and wired.

The system shall include 2 — 23¾" support channels for use in mounting in a T-Bar supported ceiling.

MOUNTING FEATURES

Radiating Upward

With the M411 Series, which is designed for mounting on T-Bars, 2 — 23¾" support channels are supplied for mounting to the rear of the enclosure to facilitate the installation in a T-Bar supported ceiling.

MODEL NUMBER CHART

Model No.	Direction of Radiation	Mounting Method	Speaker Model	Speaker Description	Magnet Weight	Power Taps
M411-S4T7(T2)*	Upward	Channel Support on T-Bar	S4	High-Compliance 4" Loudspeaker	10 oz. Ceramic	.5, 1, 2, 5 watt

*NOTE: T7 — 70.7 volt transformer attached
T2 — 25 volt transformer attached
For more detailed loudspeaker specifications, see Technical Bulletin AM 101.

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soundolier, inc.

9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

Distributor Net Price Sheet

OCTOBER 1, 1973

MASKING LOUDSPEAKER SYSTEMS

MODEL NO.	SPK. SIZE	ENCLOSURE	DIR. OF RADIATION	LIST PRICE	DISTRIBUTOR NET PRICES				
					1-49	50-299	300-1499	1500-2999	3000-UP
M81-S1T7(T2)	8"	Round	Upward	$48.48	$19.39	$18.62	$17.88	$17.18	$16.52
M81-S2T7(T2)	"	"	"	51.20	20.48	19.71	18.97	18.27	17.61
M81-S3T7(T2)	"	"	"	64.30	25.72	24.95	24.21	23.51	22.85
M82-S1T7(T2)	8"	Round	Downward	50.23	20.09	19.28	18.51	17.78	17.09
M82-S2T7(T2)	"	"	"	52.95	21.18	20.37	19.60	18.87	18.18
M82-S3T7(T2)	"	"	"	66.05	26.42	25.61	24.84	24.11	23.42
M83-S1T7(T2)	8"	Round	Upward	47.13	18.85	18.10	17.38	16.70	16.05
M83-S2T7(T2)	"	"	"	49.85	19.94	19.19	18.47	17.79	17.14
M83-S3T7(T2)	"	"	"	62.95	25.18	24.43	23.71	23.03	22.38
M84-S1T7(T2)	8"	Round	Upward	43.00	17.20	16.54	15.91	15.31	14.74
M84-S2T7(T2)	"	"	"	45.72	18.29	17.63	17.00	16.40	15.83
M84-S3T7(T2)	"	"	"	58.82	23.53	22.87	22.24	21.64	21.07
M85-S1T7(T2)	8"	Round	Downward	43.73	17.49	16.81	16.16	15.54	14.95
M85-S2T7(T2)	"	"	"	46.45	18.58	17.90	17.25	16.63	16.04
M85-S3T7(T2)	"	"	"	59.52	23.81	23.13	22.49	21.87	21.28
M86-S1T7(T2)	8"	Round	Upward	40.98	16.39	15.76	15.16	14.59	14.05
M86-S2T7(T2)	"	"	"	43.70	17.48	16.85	16.25	15.68	15.14
M86-S3T7(T2)	"	"	"	56.80	22.72	22.09	21.49	20.92	20.38
M87-S1T7(T2)	8"	Round	Upward	42.75	17.10	16.44	15.81	15.21	14.64
M87-S2T7(T2)	"	"	"	45.48	18.19	17.53	16.90	16.30	15.73
M87-S3T7(T2)	"	"	"	58.58	23.43	22.77	22.14	21.54	20.97
M88-S1T7(T2)	8"	Round	Downward	44.50	17.80	17.10	16.44	15.81	15.21
M88-S2T7(T2)	"	"	"	47.22	18.89	18.19	17.53	16.90	16.30
M88-S3T7(T2)	"	"	"	60.33	24.13	23.43	22.77	22.14	21.54
M89-S1T7(T2)	8"	Round	Upward	43.02	17.21	16.54	15.91	15.31	14.73
M89-S2T7(T2)	"	"	"	45.75	18.30	17.63	17.00	16.40	15.82
M89-S3T7(T2)	"	"	"	58.85	23.54	22.87	22.24	21.64	21.06
M810-S1T7(T2)	8"	Square	Upward	43.10	17.24	16.57	15.93	15.32	14.75
M810-S2T7(T2)	"	"	"	45.83	18.33	17.66	17.02	16.41	15.84
M810-S3T7(T2)	"	"	"	58.93	23.57	22.90	22.26	21.65	21.08
M811-S1T7(T2)	8"	Square	Upward	40.68	16.27	15.65	15.06	14.50	13.96
M811-S2T7(T2)	"	"	"	43.40	17.36	16.74	16.15	15.59	15.05
M811-S3T7(T2)	"	"	"	56.50	22.60	21.98	21.39	20.83	20.29
M812-S1T7(T2)	8"	Square	Upward	39.10	15.64	15.25	14.49	13.95	13.44
M812-S2T7(T2)	"	"	"	41.83	16.73	16.14	15.58	15.04	14.53
M812-S3T7(T2)	"	"	"	54.92	21.97	21.38	20.82	20.28	19.77
M813-S1T7(T2)	8"	Square	Upward	48.65	19.46	18.68	17.94	17.24	16.56
M813-S2T7(T2)	"	"	"	51.38	20.55	19.77	19.03	18.33	17.65
M813-S3T7(T2)	"	"	"	64.48	25.79	25.01	24.27	23.57	22.89
M41-S4T7(T2)	4"	Round	Upward	52.75	21.10	20.36	19.66	18.99	18.34
M42-S4T7(T2)	4"	Round	Downward	54.48	21.79	21.01	20.28	19.57	18.90
M43-S4T7(T2)	4"	Round	Upward	50.75	20.30	19.59	18.93	18.29	17.68
M44-S4T7(T2)	4"	Round	Upward	47.22	18.89	18.26	17.66	17.09	16.54
M45-S4T7(T2)	4"	Round	Downward	46.68	18.67	18.05	17.46	16.90	16.36
M46-S4T7(T2)	4"	Round	Upward	45.25	18.10	17.51	16.94	16.40	15.91
M47-S4T7(T2)	4"	Round	Upward	48.00	19.20	18.55	17.93	17.34	16.78
M48-S4T7(T2)	4"	Round	Downward	46.68	18.67	18.05	17.46	16.90	16.36
M49-S4T7(T2)	4"	Round	Upward	45.25	18.10	17.51	16.94	16.40	15.91
M411-S4T7(T2)	4"	Square	Upward	46.55	18.62	18.00	17.41	16.85	16.31

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RELAY APPLICATIONS

Technical Bulletin
No. 1067

soundolier, inc. / 9380 Watson Industrial Park / St. Louis, Mo. 63126 / AC 314 962-9870

Relays provide the answer to a variety of switching problems in and out of the commercial sound industry.

The purpose of Techincal Bulletin 1067 is to discuss a few of the basic relay application circuits normally used in a commercial sound system. Perhaps one or more examples will offer solutions to your switching problems.

The relay is defined as an electrically controlled device that opens and closes electrical contacts to effect the operation of a second electrical circuit. More simply, the relay is a remote control switch.

It is the concept of remoteness that is the key to the simplification of complicated switching circuits. As an example, consider Figure I. If the equipment in Box A must be turned off and on by a DPST switch B, a simple switch will suffice. If, however, switch B must be physically removed by a long distance, then other problems arise. Long lines may be difficult to install, losses may be excessive, or hum pickup may be a problem. The relay offers a solution. Switch B is brought close to equipment A and is controlled electronically from a remote position. This, of course, is a simple application. As the switching becomes more complicated, the use of relays becomes mandatory.

For example, when the output of an amplifier is to be switched from circuit A to B from a remote location, a relay is used at the amplifier with the remote switching controlling only the current necessary for the operation of the relay. The advantages begin to multiply. Both lines on the output must be switched to prevent bleed through, thus the necessity for two lines. However, with a relay, only one line is necessary to operate the relay. Not only is the mechanical difficulty of running an extra line eliminated, but also the size of the wire can be reduced. If 18 ga, were used at the output of the amplifier to avoid excessive line loss, 22 ga. could be used to operate the relay where loss is not a factor. So immediately the size of the conductors is down by 50% and the cost is reduced by the use of a smaller gauge wire. If in addition to switching from A to B, circuits C, D and F were added, the savings would go up proportionately.

The further one delves into the remote switching concept, the more the advantages accumulate. Suppose we added a few more remote switching areas to the circuits discussed above. The same reasoning holds true. Only one conductor per switch with a common conductor is necessary. The wire size can again be small compared to the amplifier output. If shielded cable is used, the savings mount again.

To further detail and explain relay use, a discussion of a number of practical circuits follows. Each one could be expanded and made more complex for your particular problem. However, the general principles remain the same.

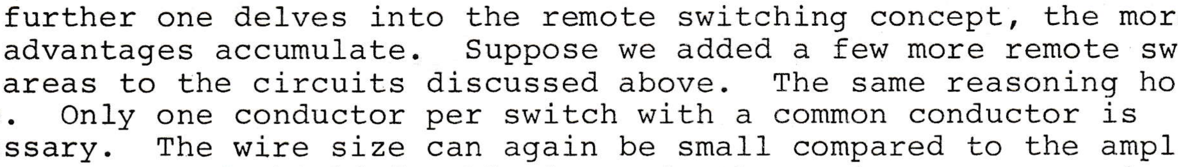
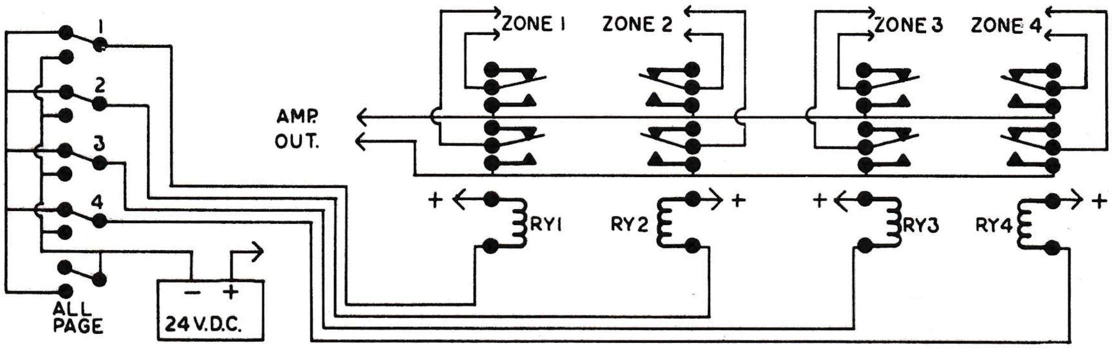


FIG. 1

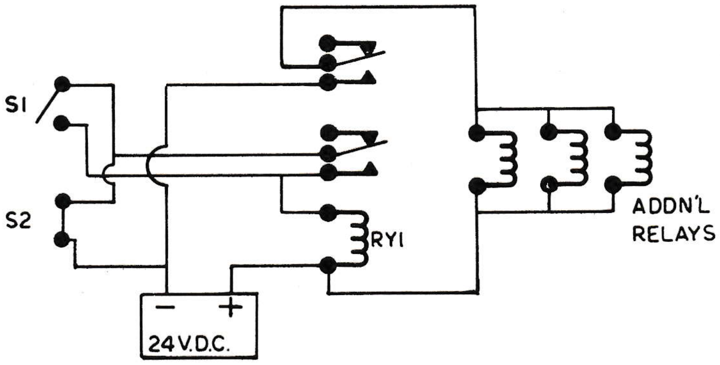
Circuit I

This is an example of a zone paging circuit. It is a concrete example of the general circuit discussed in the introduction. Switches 1, 2, 3 and 4 are in the normally open position. As a result, the relays RY1, RY2, RY3 and RY4 do not have a complete circuit through the power supply, and therefore are not energized. Zone 1, 2, 3 and 4 are not connected to the output of the paging amplifier. When any of the 4 switches is thrown, the relay involved is energized. The switches to the proper zone are closed and the amplifier is properly connected. Please note that there are only five lines necessary to operate the switches. Without relays, ten would be needed. Also, the current through the switches is not the audio. Therefore, losses and hum pickup can be ignored. A fifth switch, the "all call", typifies the flexibility of the relay. All zones can be paged at once without the addition of a conductor. When switch 5 is thrown, all relays are energized. Therefore, through the use of relays, we end up with 5 small conductors instead of 10 large ones and have the added advantage of being able to change or "add to" easily.



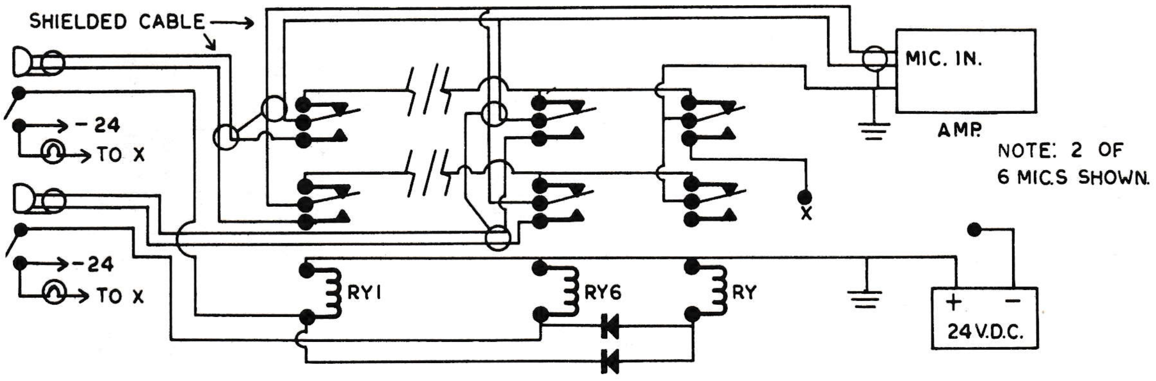
Circuit II

This is an example in which small momentary contact switches are utilized to do the work of larger and more expensive toggles. Before S1 is closed, all relay coils are out of the circuit. When S1 is depressed, RY1 relay is energized which activates all the relays. The lower contact on relay RY1 replaces S1. When S1 is released, the relays are still in operation. They will remain in operation until S2 is opened. Then the circuit is broken, all the relays are deactivated, and the situation is ready for a second cycle.



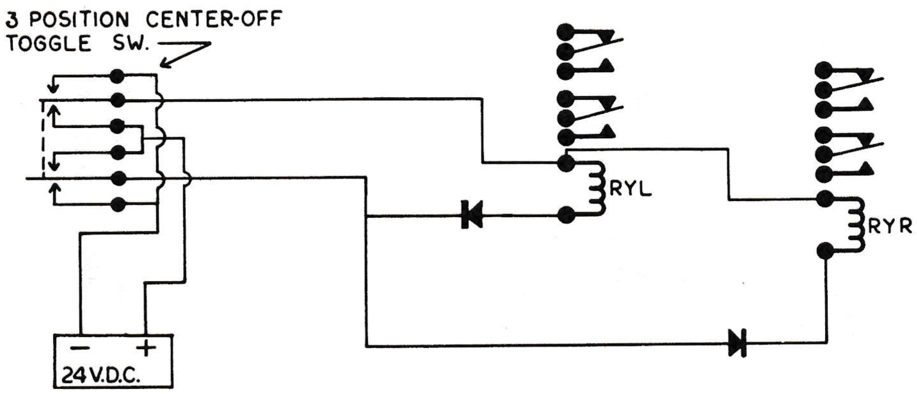
Circuit III

This is an example of a relay circuit which connects two or more microphones into the input of an amplifier. In addition, when the "push to talk" switch is open on all microphones, a short is across the microphone input to eliminate hum pickup. When a "push to talk" switch is depressed, relays accomplish a number of connections simultaneously. Relay RY removes the short with one contact and connects a busy light with the other. The proper microphone relay connects the proper microphone to the input. The diodes on relay RY prevent the second microphone relay from operating when the first one is powered. It is recommended that low impedance balanced microphone lines be used with this circuit.



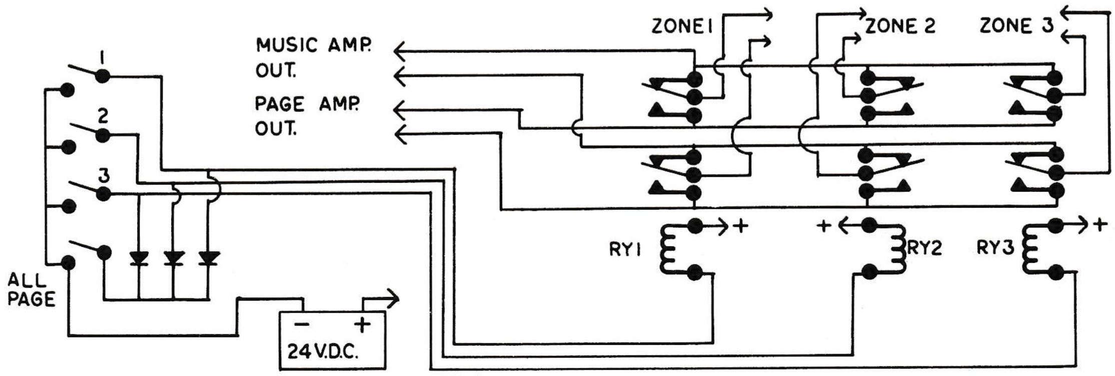
Circuit IV

This is an example of a relay circuit which utilizes one pair of existing lines to energize two relays. The key to the problem is the diodes. A 3 position (center off) DPDT switch is used to connect the power supply to the relays. When the switch is up, the RYR relay is energized. The current will not go through the RYL relay since the diode will act as a block. When the switch is down, the reverse is true. A third relay can be connected on the existing pair. It would be energized when either of the other relays is energized. This type of circuit is useful in an existing installation where the running of lines is difficult.



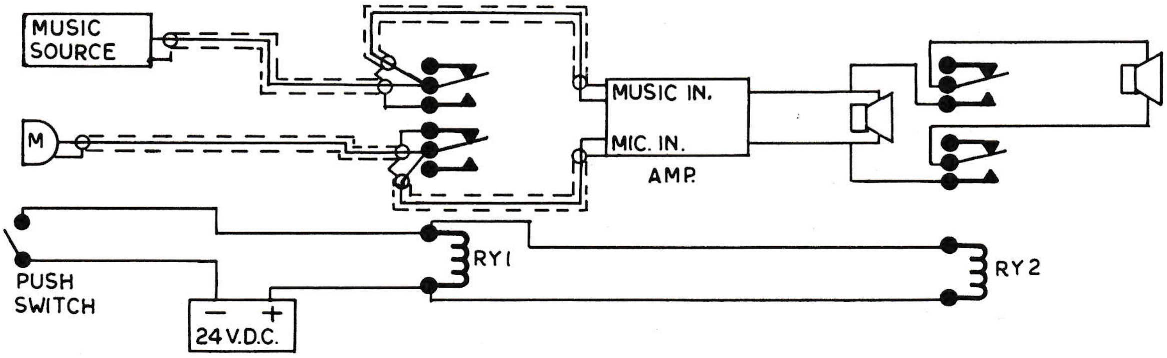
Circuit V

This is an example of a relay circuit that combines zone switching with the ability to remove the background music from any zone when paging is instituted. In the positions shown, all zones are connected to the background music amplifier with the paging amplifier removed. In the event that either switch 1, 2 or 3 is closed, the corresponding relay is energized and that particular zone is switched to the paging amplifier. An "all page" switch energizes all relays and all zones are connected to the paging amplifier. The use of diodes in the all page circuit prevents the activation of the other two zone relays when any one switch is thrown.



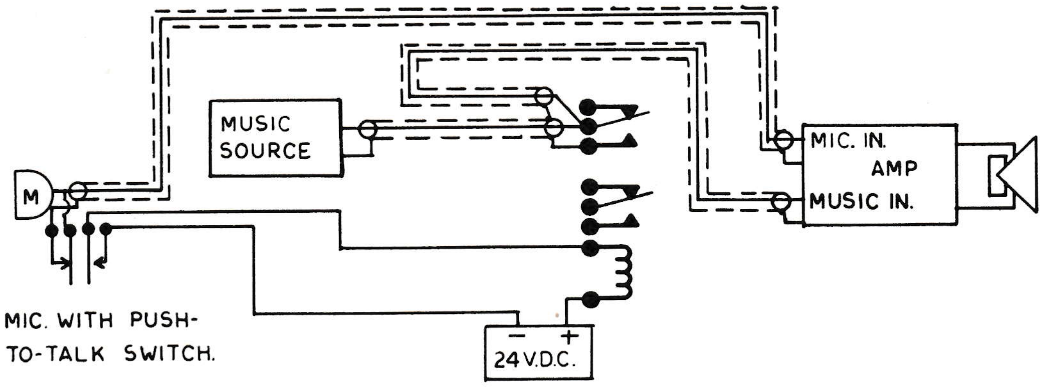
Circuit VI

In this example a small push button switch is made to accomplish many circuit changes. When the switch is not depressed, the background music source is connected and the microphone input is shorted. A particular set of speakers to be used only for paging is not connected. When the switch is depressed, the microphone short is removed and the microphone circuit completed. The music source input is shorted and the background music source removed. The paging speakers are brought into the system to receive the page. The reverse may be accomplished by using normally closed relay contacts for the extra speakers. They may be removed from the paging circuit when paging is in process.



Circuit VII

This is an example of a relay circuit which mutes the background music while paging. When the microphone is not in use (as shown), the background music source connects directly to the amplifier. The microphone "push to talk" switch shorts the mic input to the amplifier. This avoids pickup at the input. When the mic switch is depressed, the short is lifted from the mic input and the relay is energized. The top contact on the relay mutes or shorts the background music source. The position of the relay is of particular advantage. The background music source is normally connected through shielded cable to the amplifier. In addition, the line is kept as short as possible to avoid hum. By switching through a relay which is physically close to the background music source and amplifier, the expense of long shielded cable lines is avoided and the problem of hum pickup is eliminated.



The circuits shown are only a small representation of the number possible. Each one can be expanded and varied in an infinite manner. On some, the use of relays makes the job easier and less expensive. On others, the job could not be accomplished in a particular manner without relays. If you have questions regarding relays or their use, please feel free to contact our engineering department.

SOUNDOLIER, INC.
ST. LOUIS, MISSOURI 63126

TECHNICAL BULLETIN #471

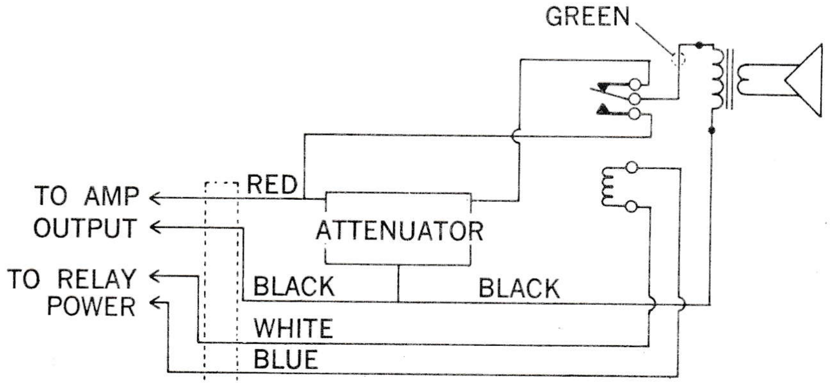
A NEW CONCEPT IN SELECTED LEVEL CONTROL
"THE PRIORITY ATTENUATOR"

One of the most vexing problems in the installation of a paging and music sound system is the control of program levels. Wherever two programs require different sound levels, the problem becomes acute. As an example, if a music and paging system is operating in an area with a fairly high ambient noise level, the paging will require more power than the music to achieve a satisfactory articulation index. Since paging occurs sporadically where as background music is continuous, the level control in a given area is usually set for a comfortable music level. When paging is introduced, the level is not high enough for good intelligibility. Either the message is lost or the control is changed to the point where the music level is annoying. Until recently, the solution has been the use of dual voice coil speakers. In effect, two channels have been used instead of one. The program level of each channel can then be controlled independently. In most cases the field control is set for the proper music level and is connected directly to one voice coil. The second voice coil is connected directly to the amplifier with the amplifier level control set for proper paging.

Unfortunately this solution to the problem has several unfortunate side effects. The dual voice coil speaker has a restricted high frequency response due to the extra weight of the voice coil. In addition, the dual voice coil speaker increases the cost of the speaker dramatically. However, the greatest problem is the simple fact that the market for dual voice coil speakers is restricted and results in all the inherent problems of quality, selection and cost. The choice in the dual voice coil field is ridiculously limited when compared to standard speakers. The delivery is even worse. The obvious answer to the side effects mentioned is the creation of the two channel system without the use of dual voice coil speakers. Soundolier's deluxe priority attenautor line provides this system with minimum expense and with immediate delivery assured.

All Soundolier attenuators are available with the priority feature. Figure 1 illustrates the wiring of the priority attenuator.

PRIORITY ATTENUATOR SCHEMATIC



WIRING REQUIREMENTS: (1) PAIR FOR AUDIO
(1) PAIR FOR RELAY

Fig. 1

With this unit the amplifier level can be set for the proper paging level and the attenuator can be set for the optimum music response. Automatically, upon paging, the pre-selected page level is transmitted to the speaker system. The attenuator is by-passed. When the paging switch is opened, the music level returns to the selected level at the attenuator. The speaker system is now standard and includes a wide selection and substantial cost savings. We now have a two channel system with standard single voice coil speakers.

Soundolier has incorporated this feature in standard attenuators. You can now have the popular auto transformer attenuators and the wide variety of T Pads, L Pads and potentiometers with the priority relay. The relay is a SPDT and is actuated with 5 ma., 24 VDC. A protective cover makes it suitable for almost all environments. The entire priority attenuator comes complete with a stainless steel plate, knob, stamped and paint filled scale, attenuator, relay-- all neatly wired and ready to go. Send for specification sheets.

(For additional copies of this bulletin, please request techincal bulletin #471)

SOUNDOLIER, INC.
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*Last number indicates depth in inches.

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